

**Fig. 1**

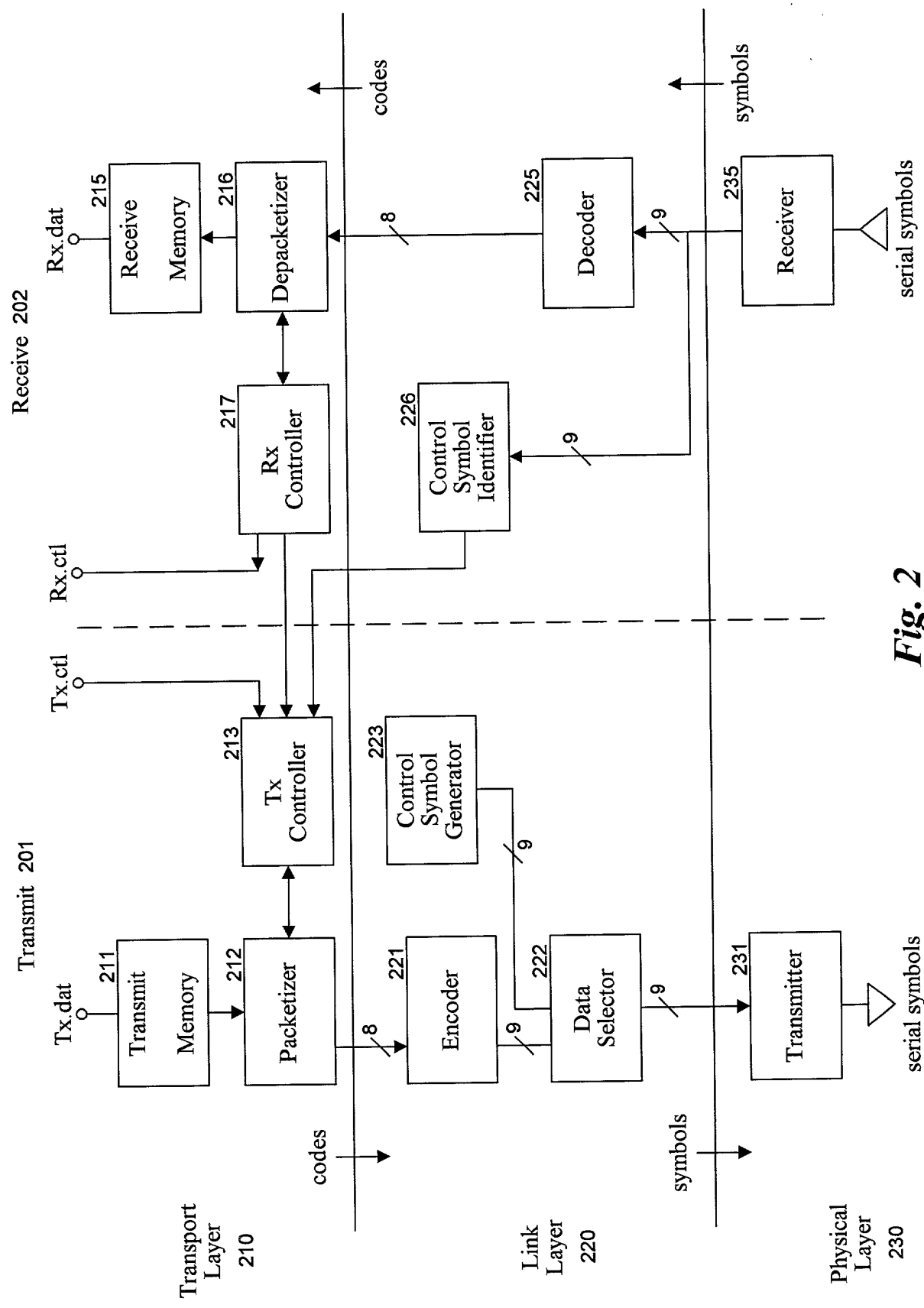
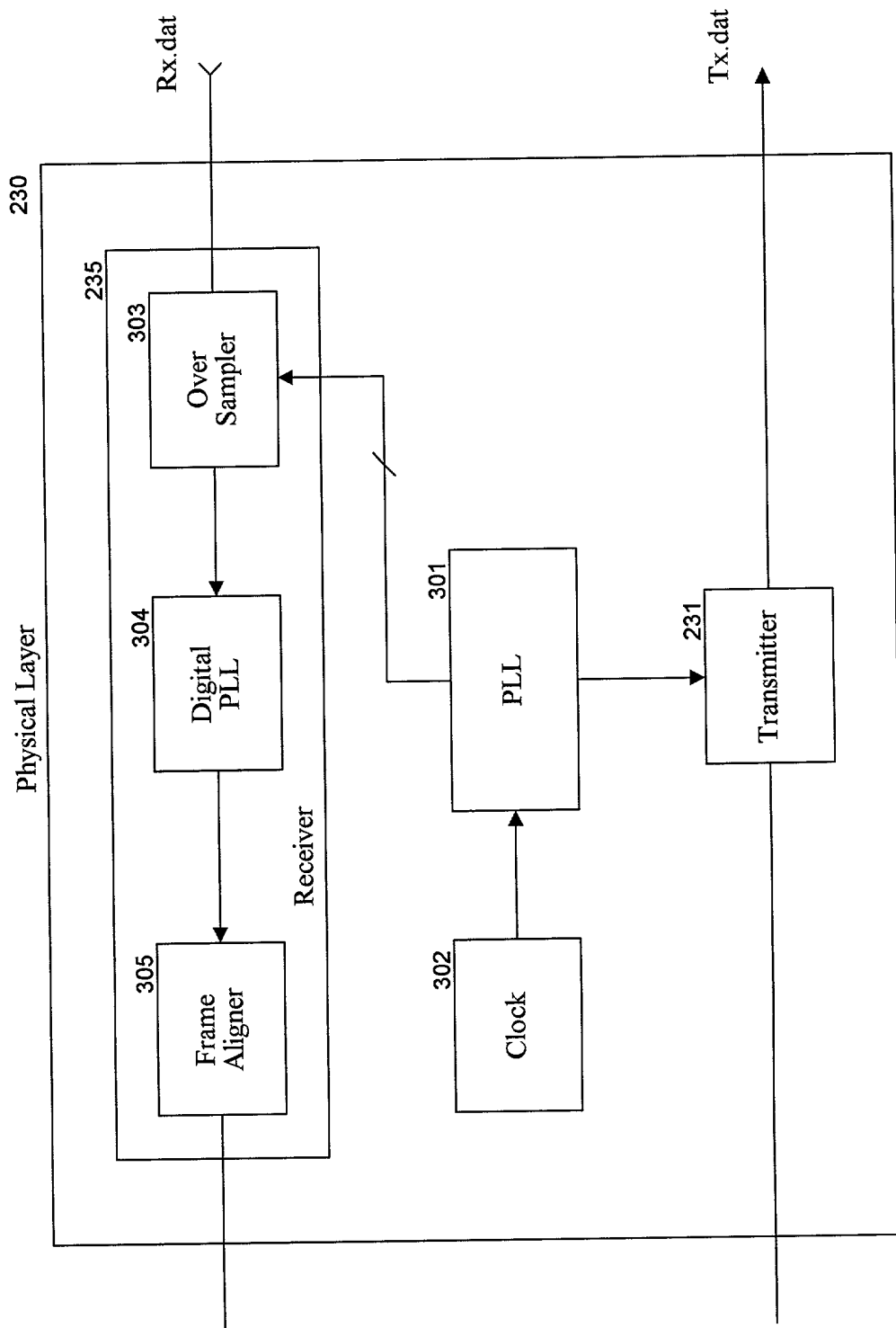
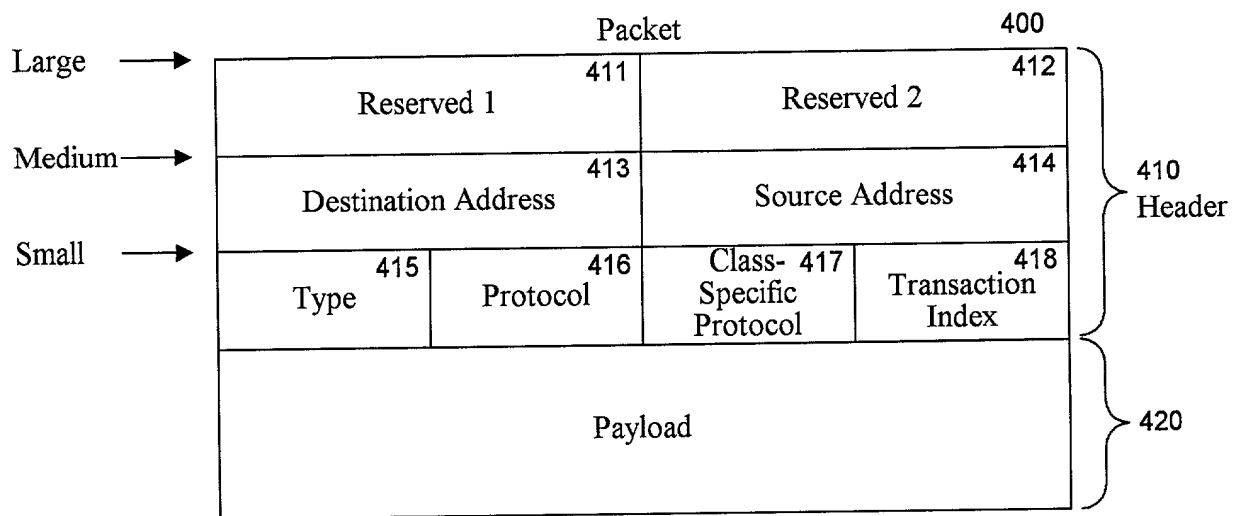


Fig. 2



**Fig. 3**



**Fig. 4**



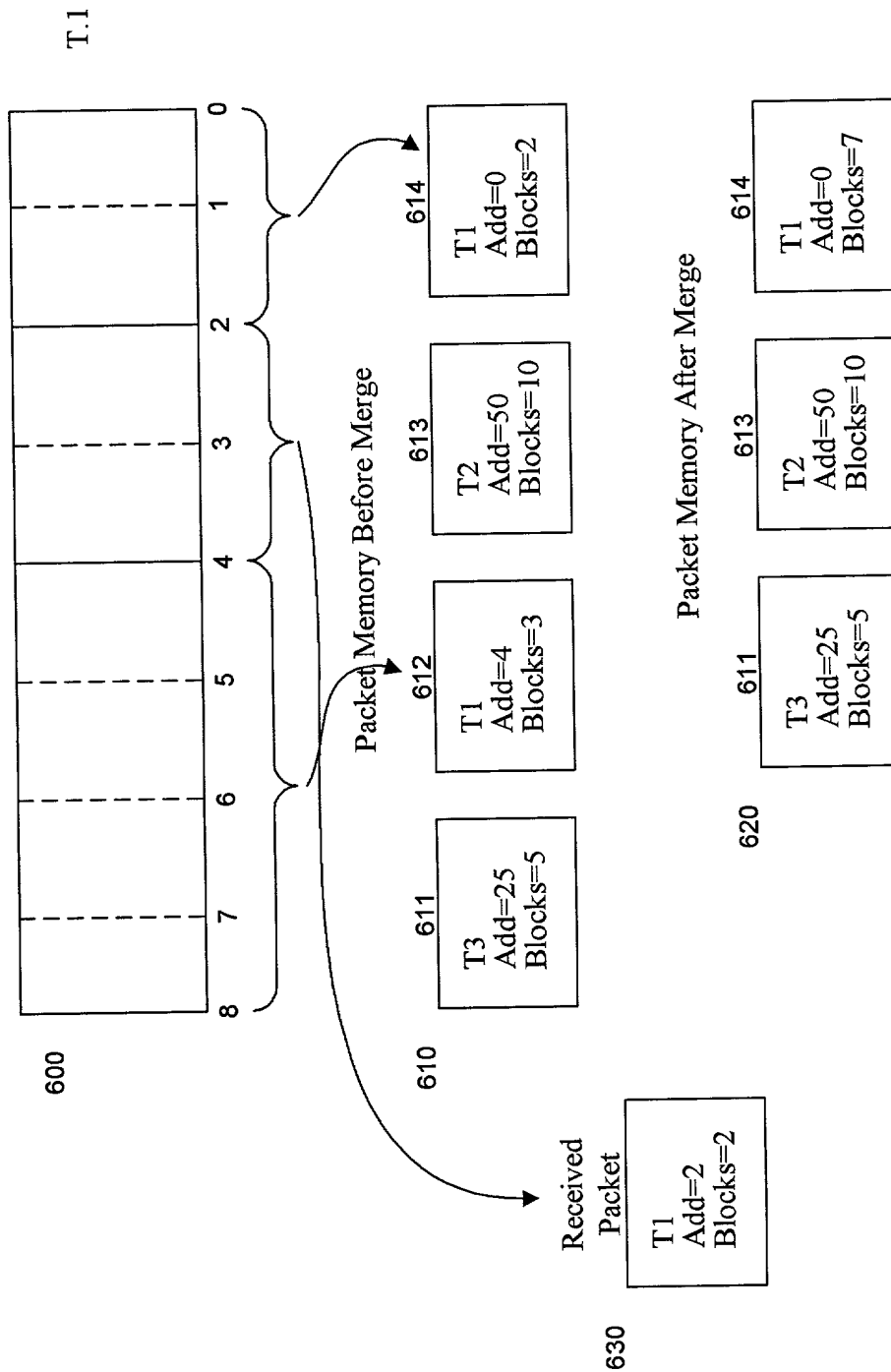
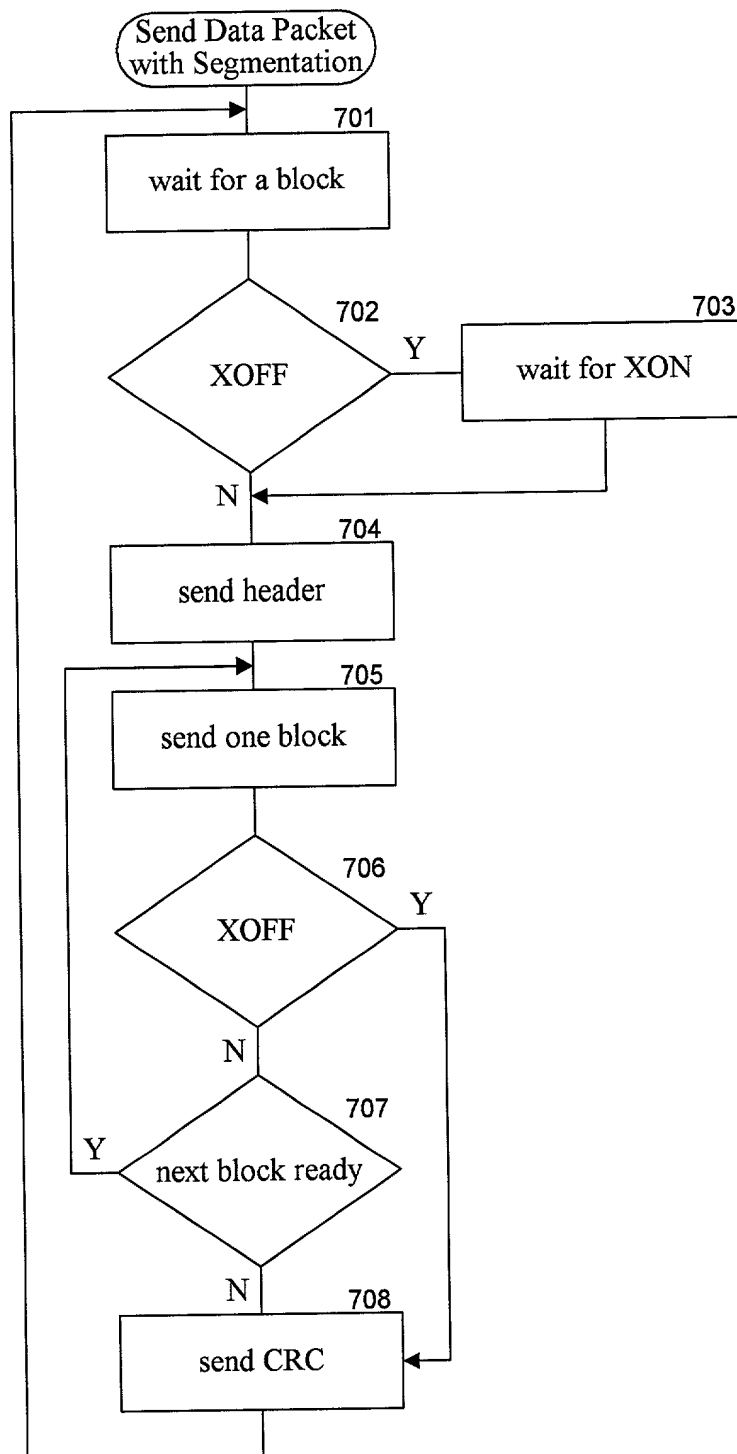
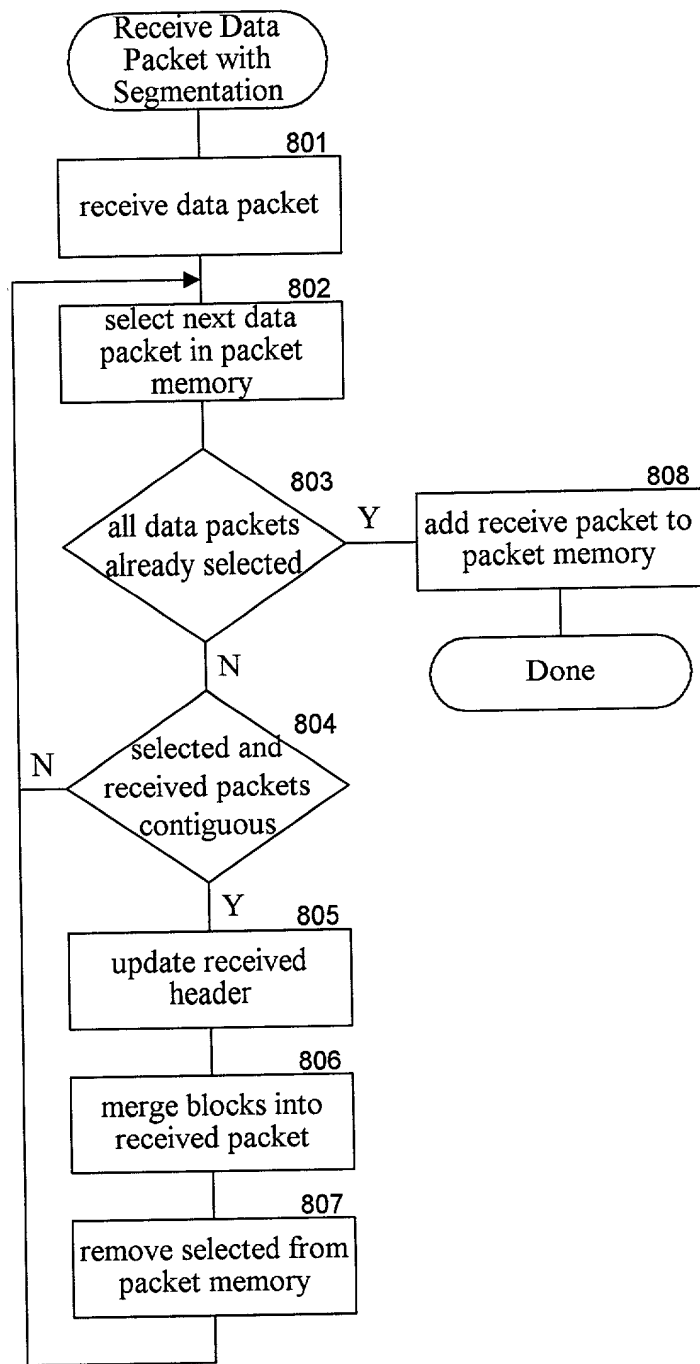


Fig. 6

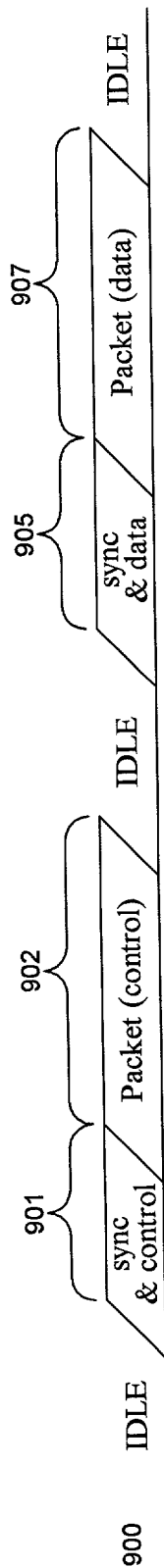


**Fig. 7**



**Fig. 8**





sync & packet type

**Fig. 9A**

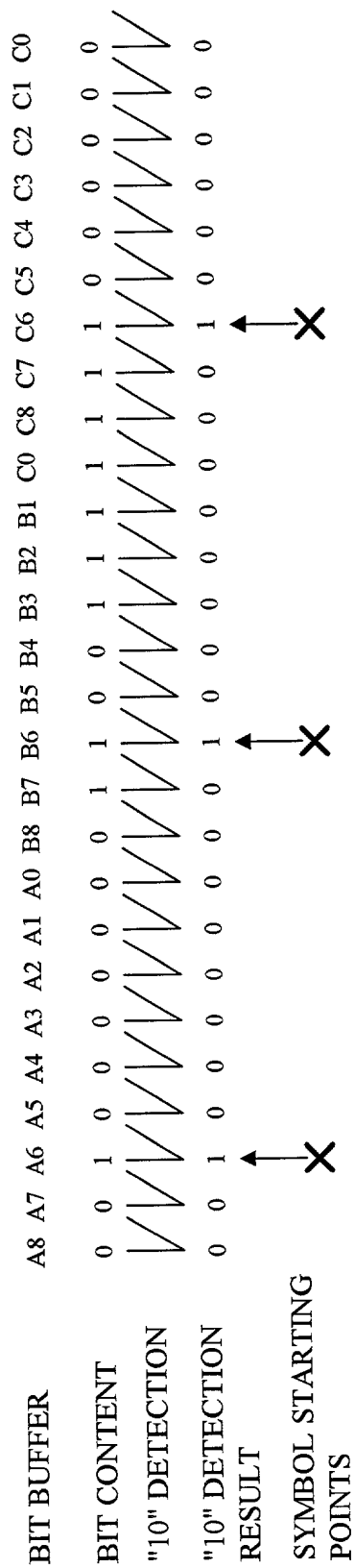


Fig. 9B

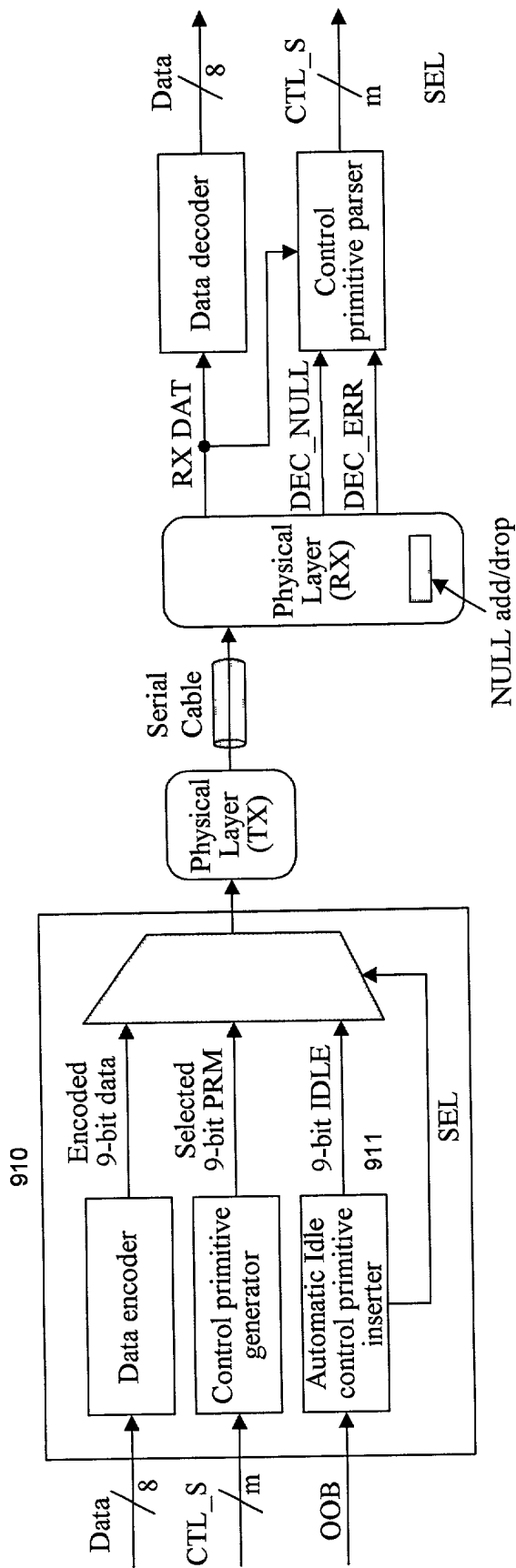
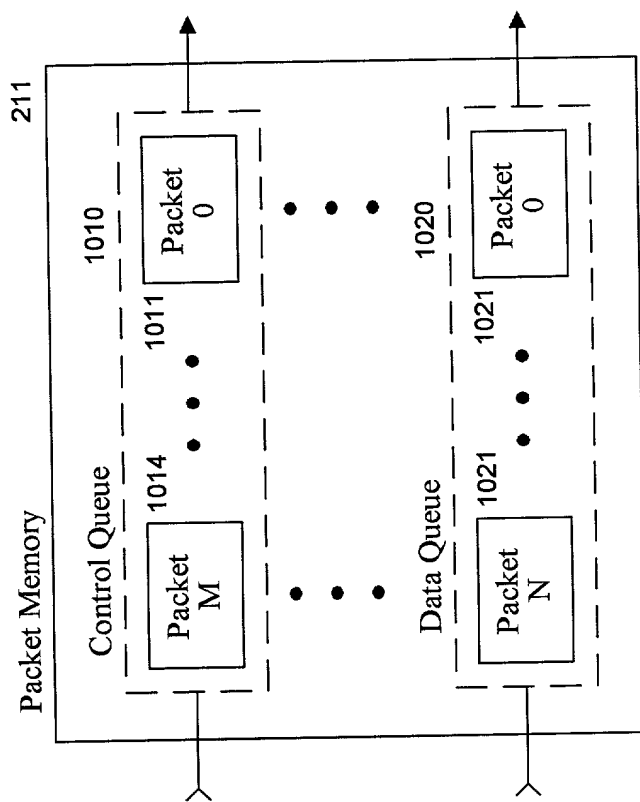
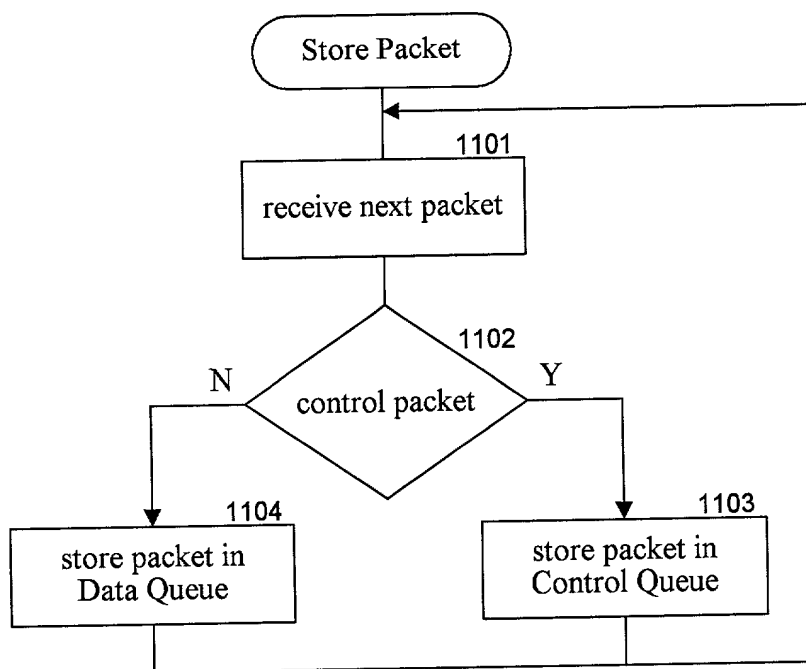


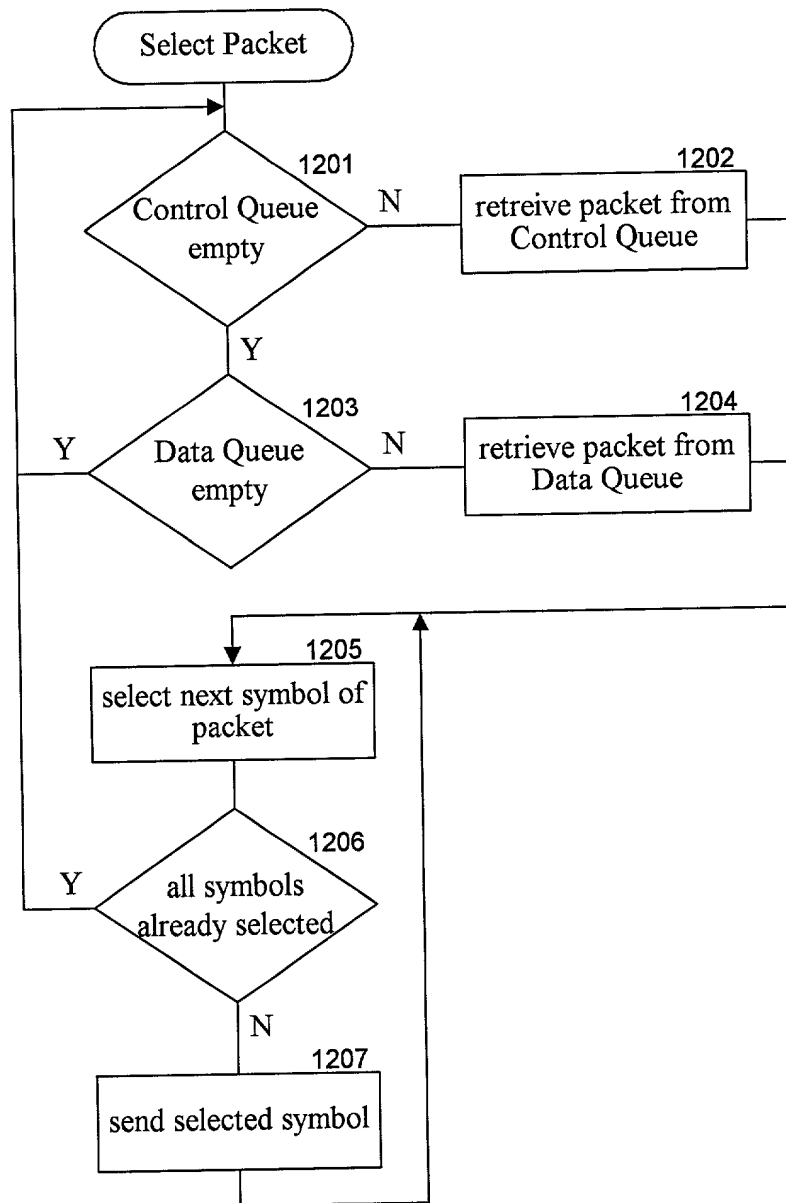
Fig. 9C



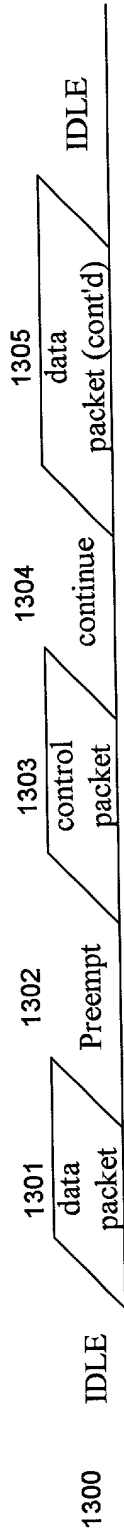
**Fig. 10**



***Fig. 11***

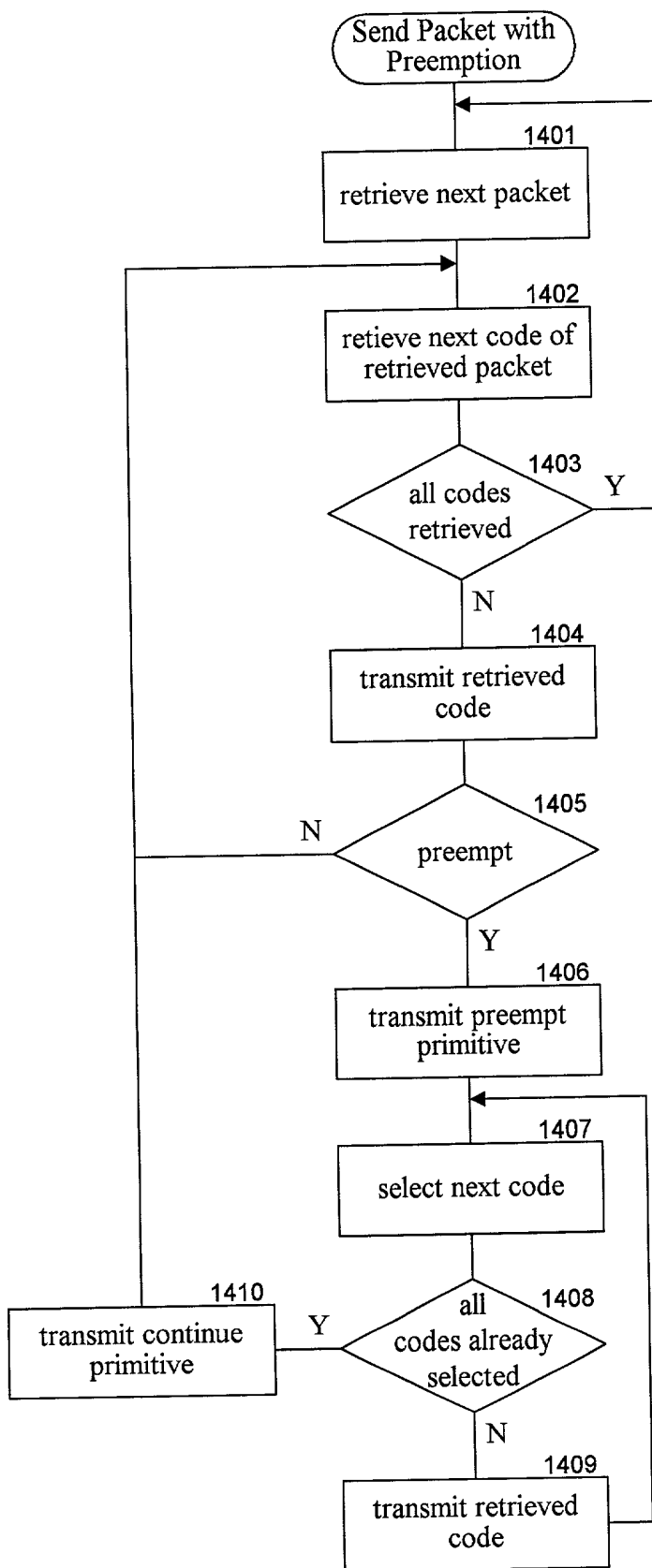


**Fig. 12**



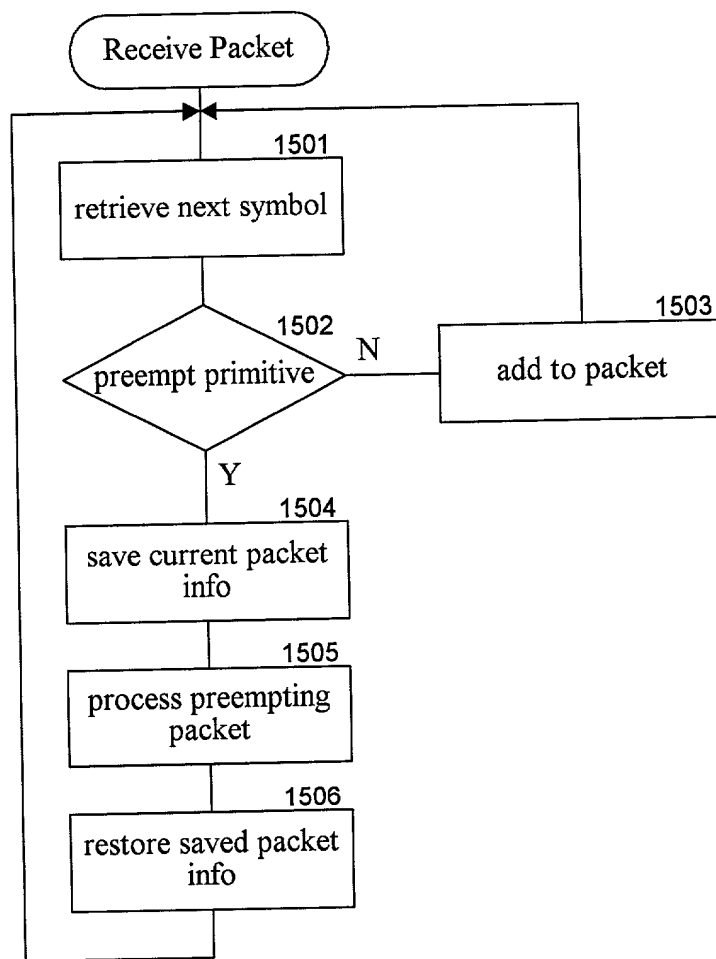
*Fig. 13*

2025-10-10 15:45:00



**Fig. 14**





**Fig. 15**

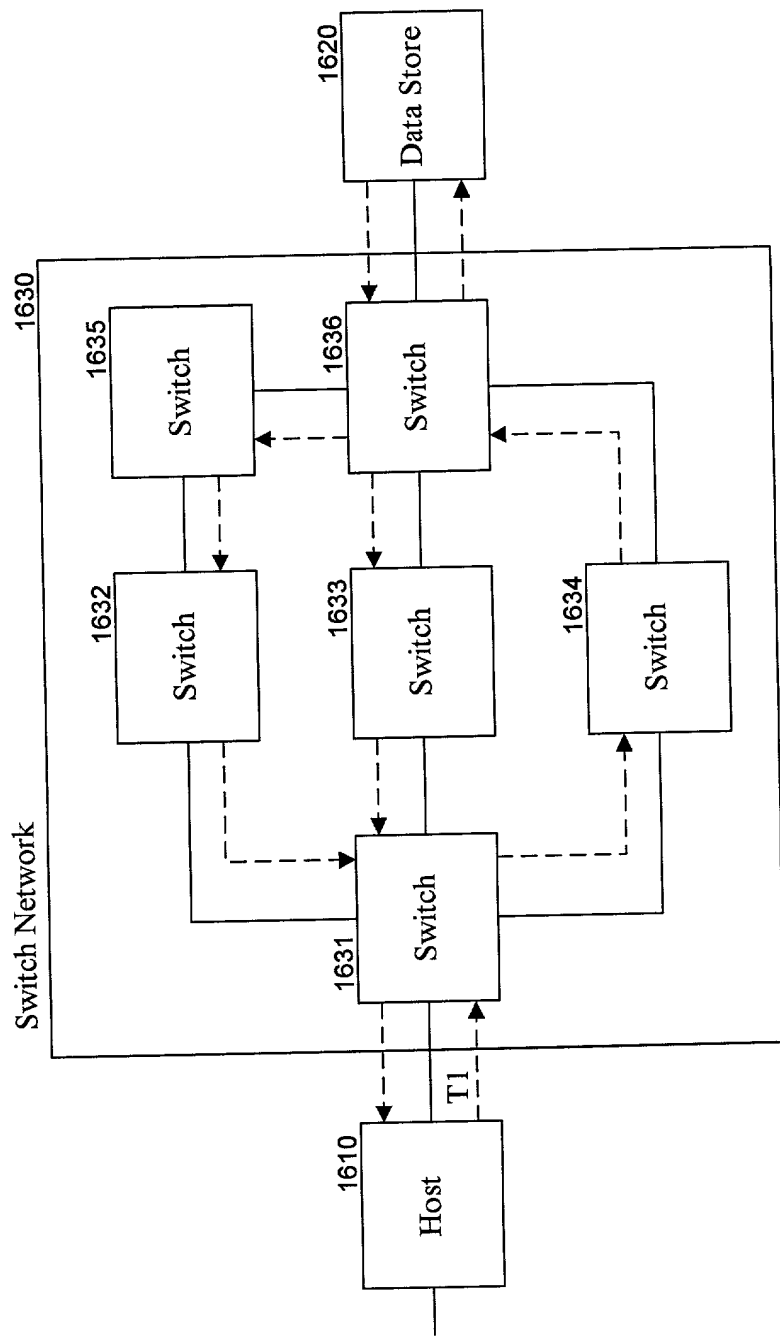
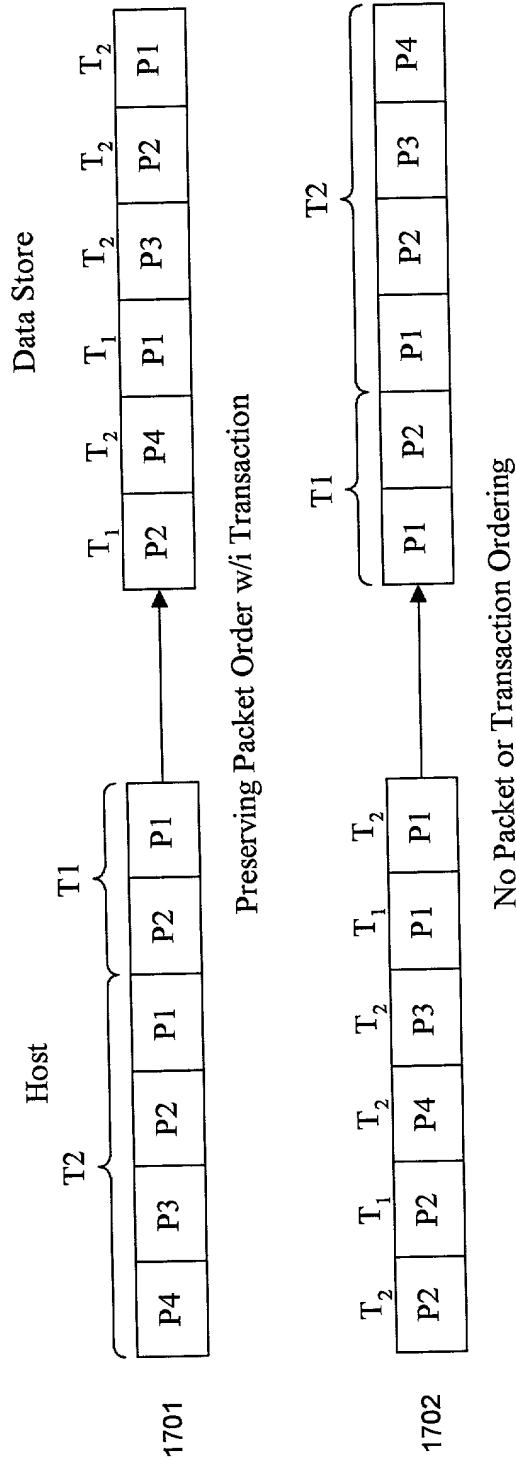
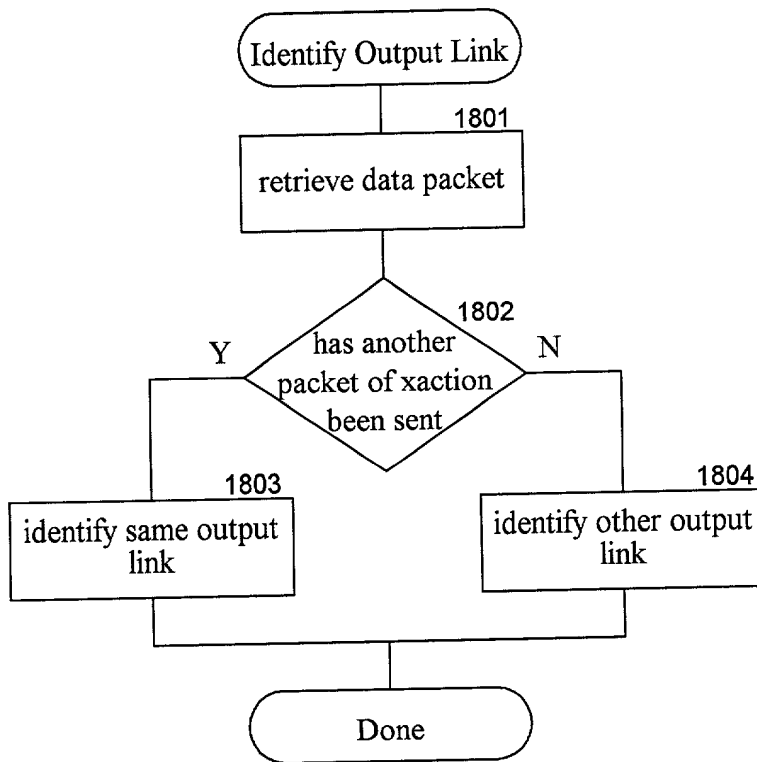


Fig. 16



**Fig. 17**



***Fig. 18***

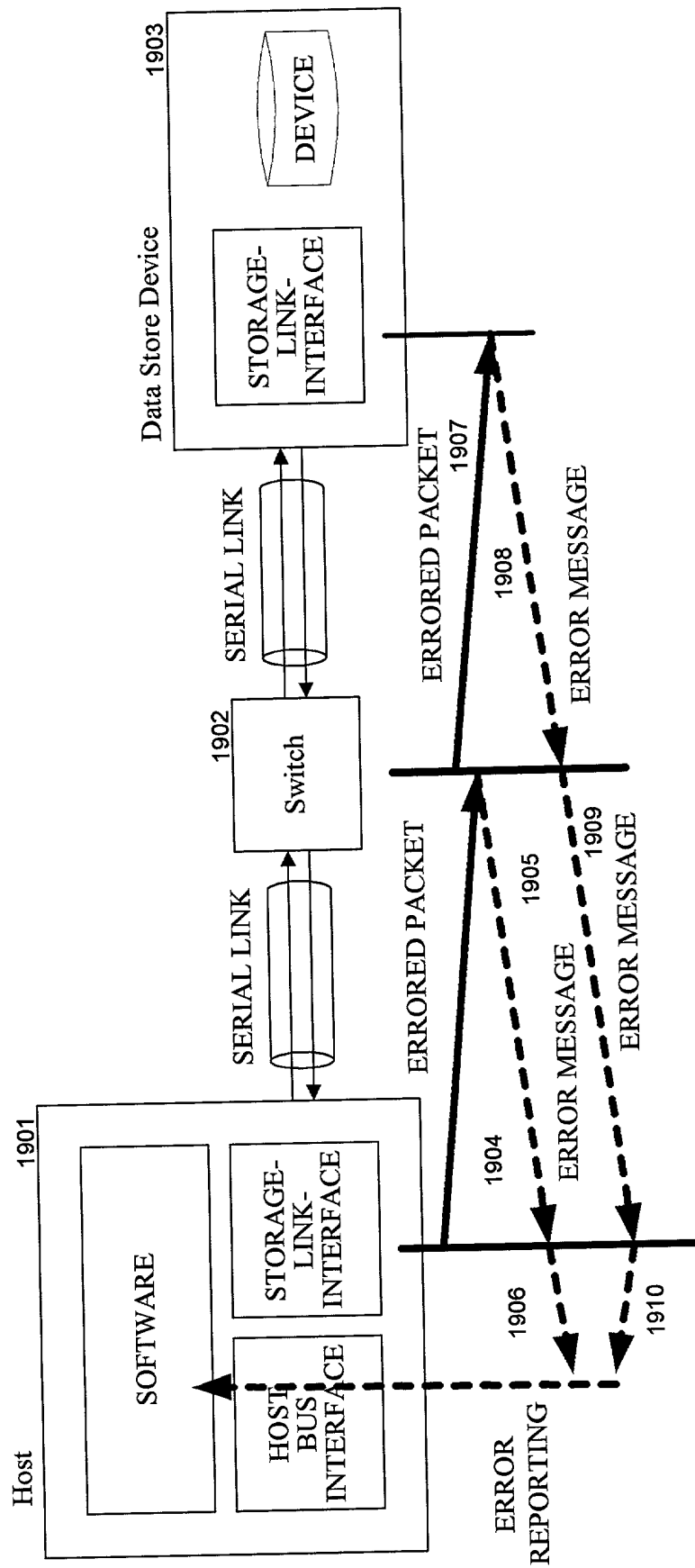


Fig. 19A

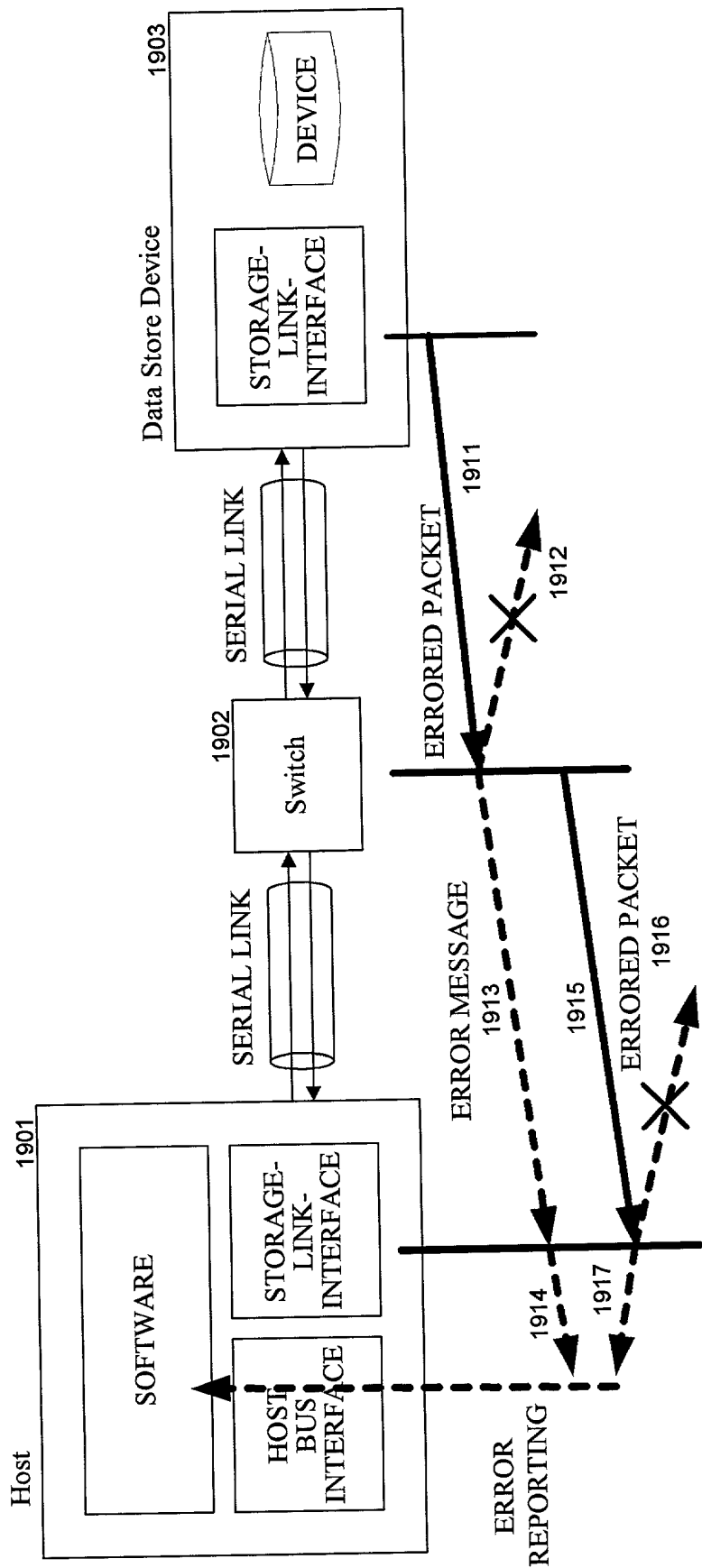
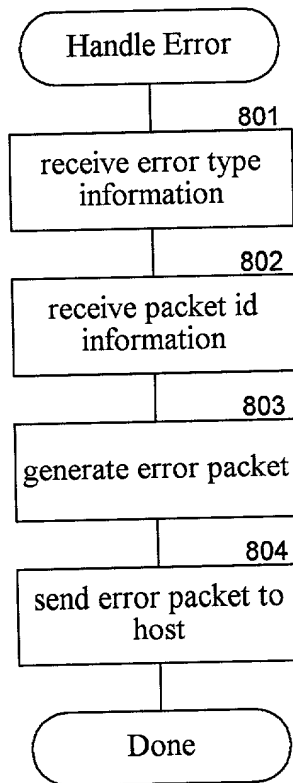


Fig. 19B

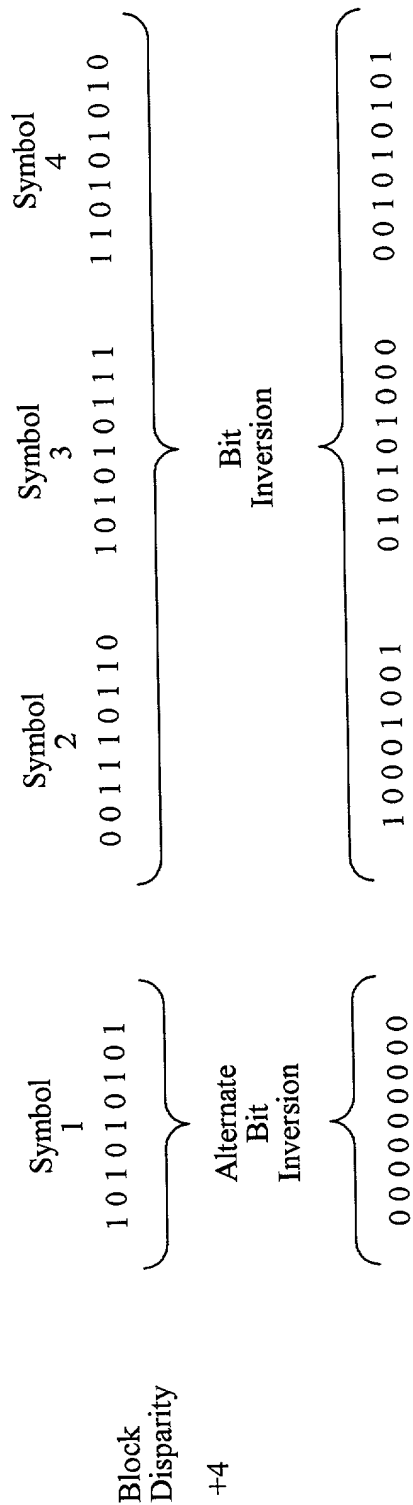


***Fig. 19C***

8b code	9 bit symbol
0000 0000	101010101
0000 0001	101010100
0000 0010	101010111
⋮	
0101 0101	001010101
⋮	
0111 0110	001110110
0111 0111	100100010
⋮	
1111 1111	110101010

***Fig. 20***





**Fig. 21A**

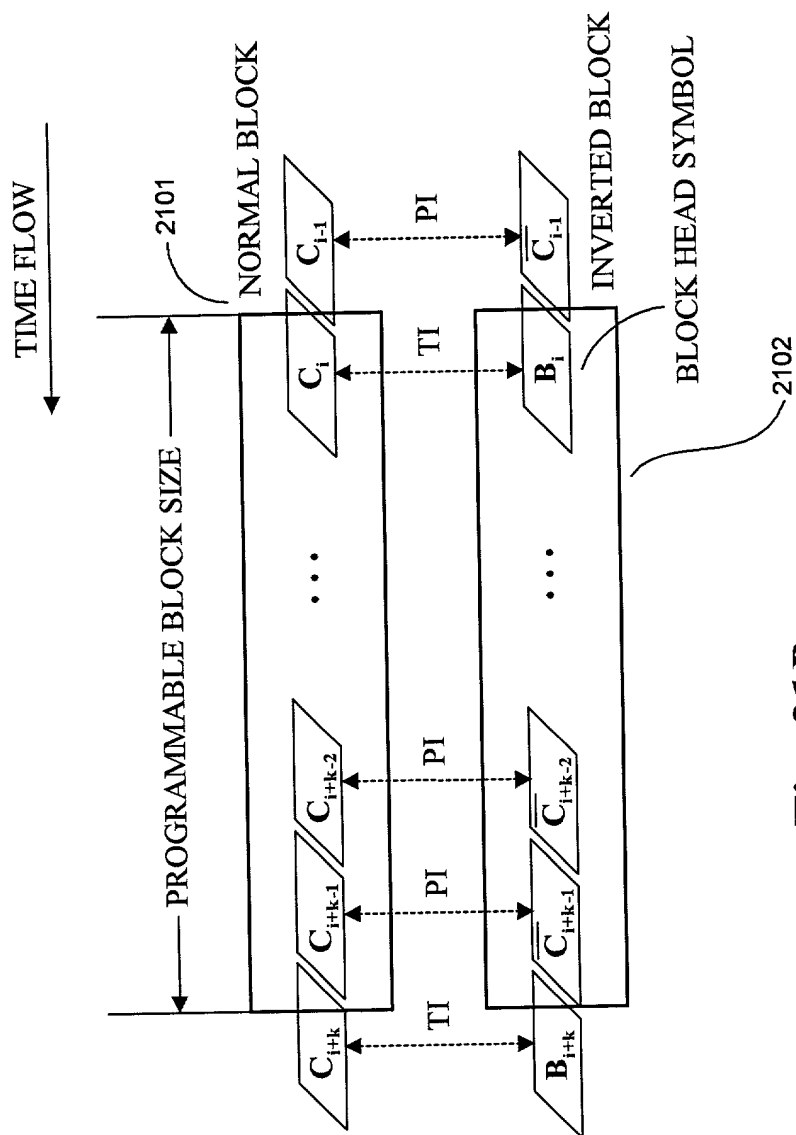


Fig. 21B

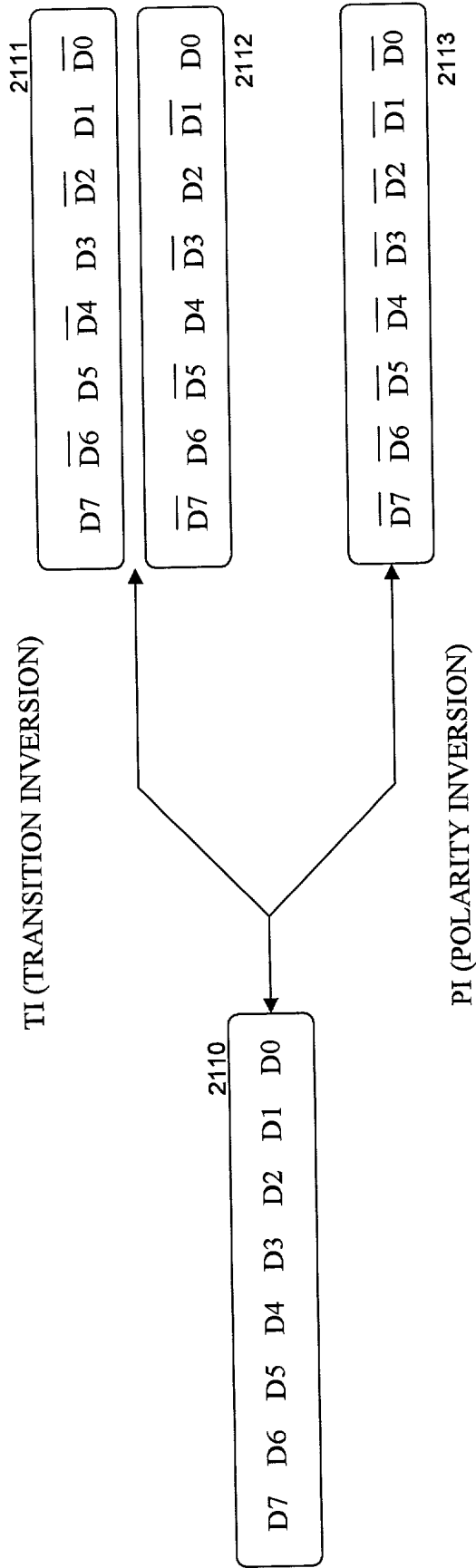


Fig. 21C

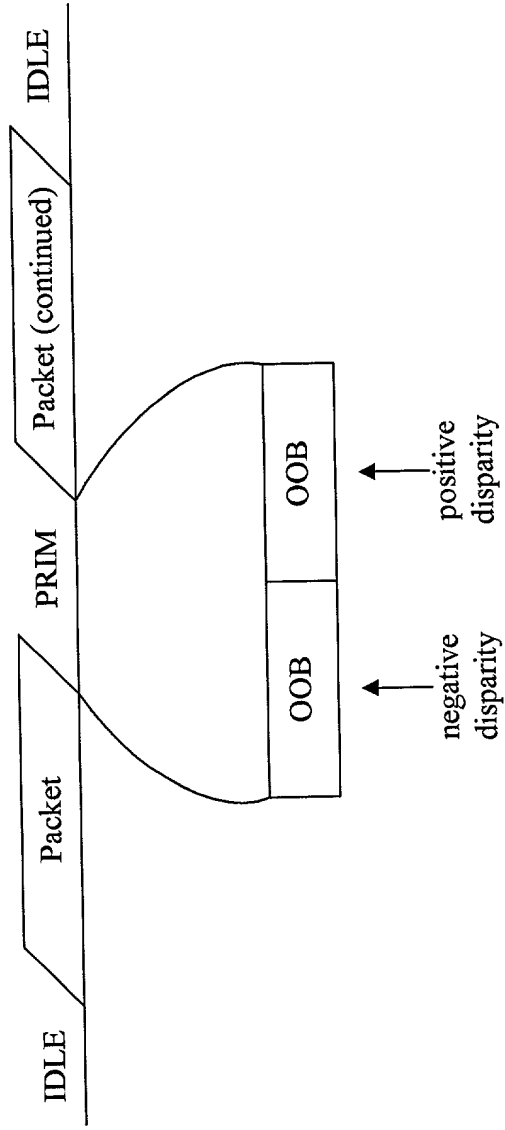
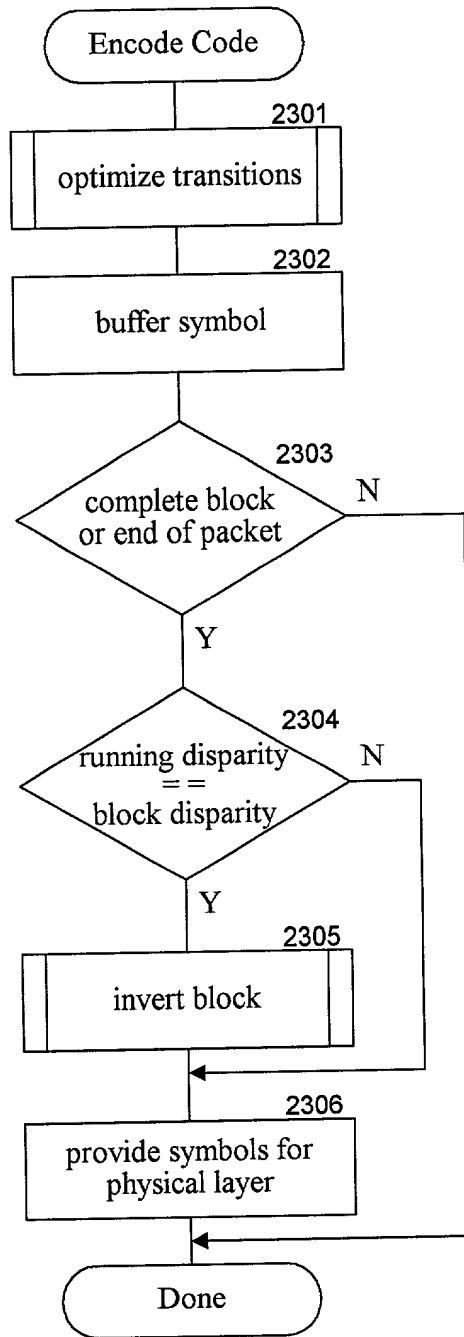
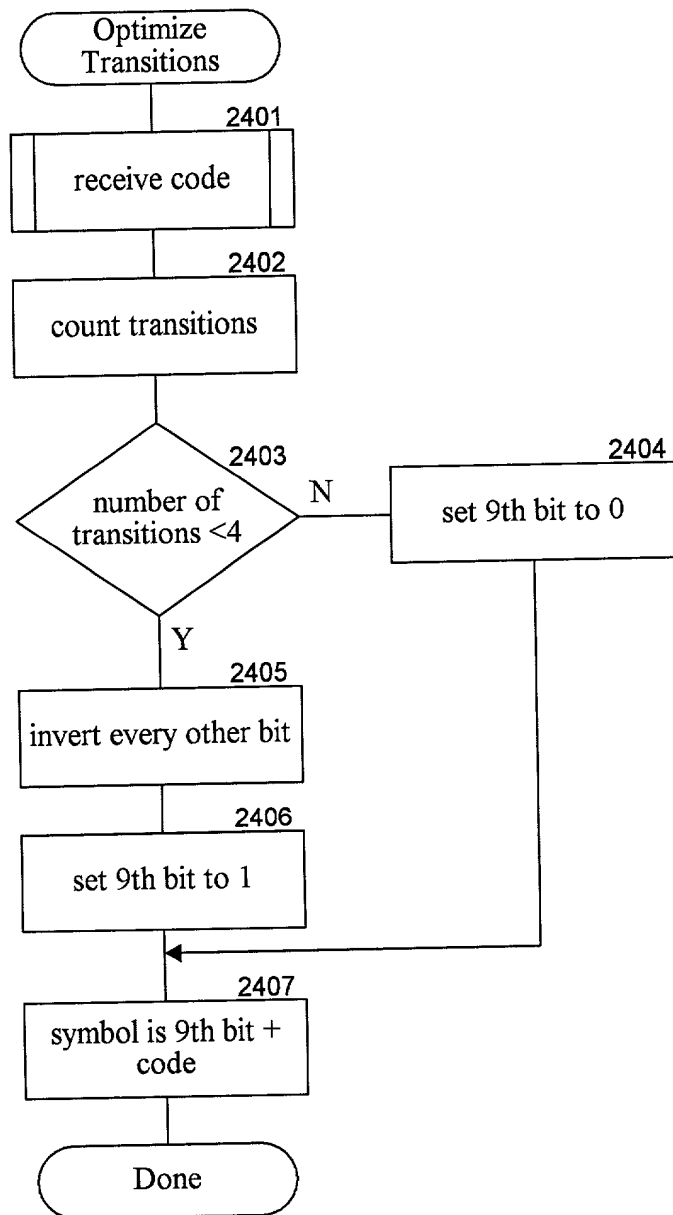


Fig. 22

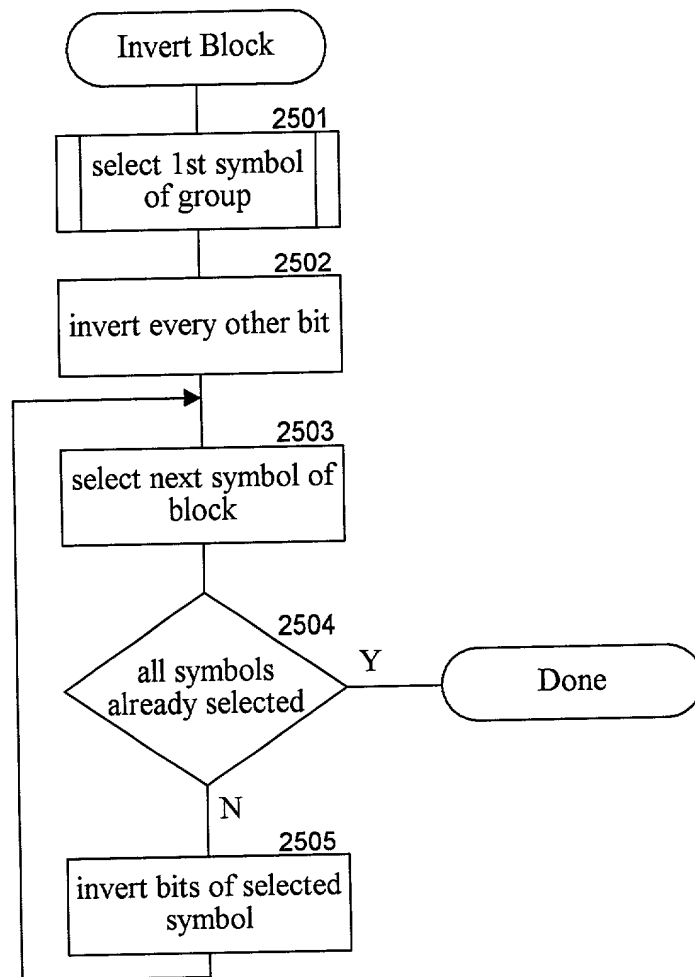


**Fig. 23**

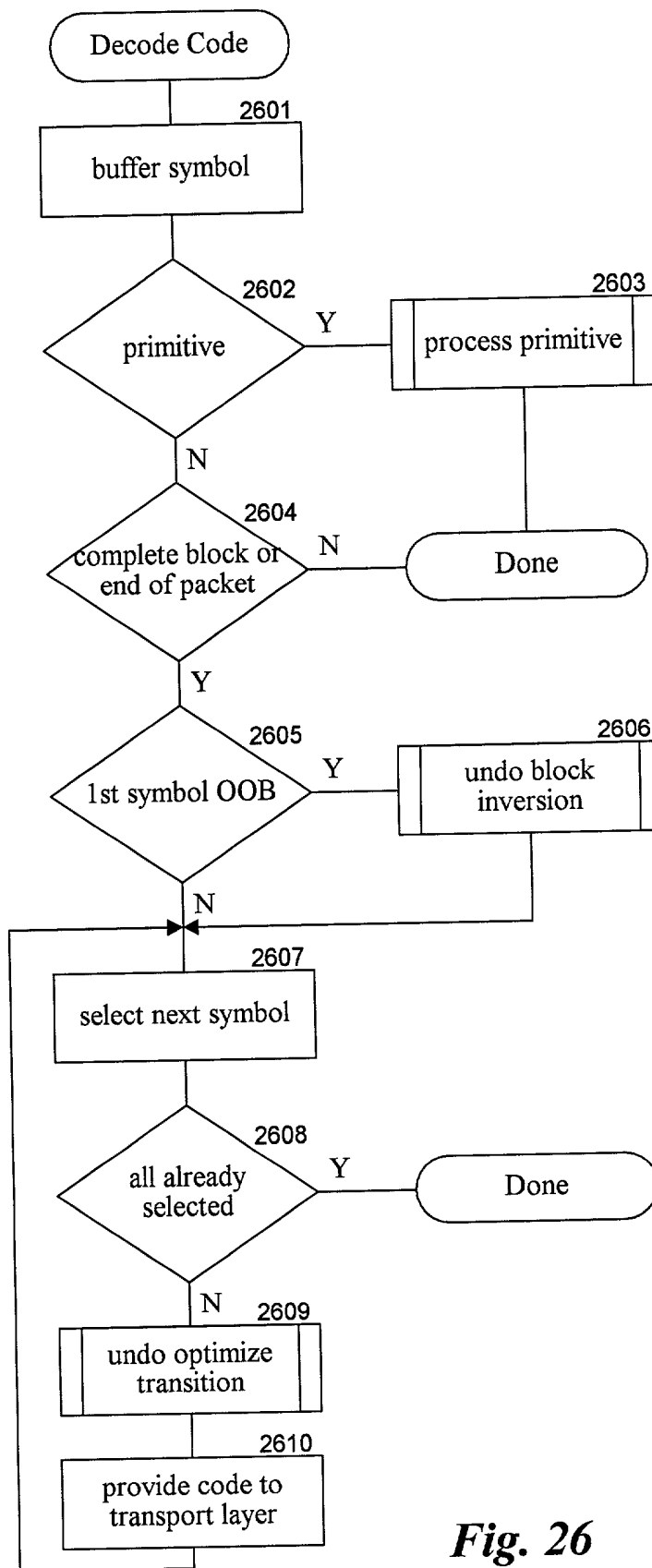
2025-10-15 15:09:07



**Fig. 24**

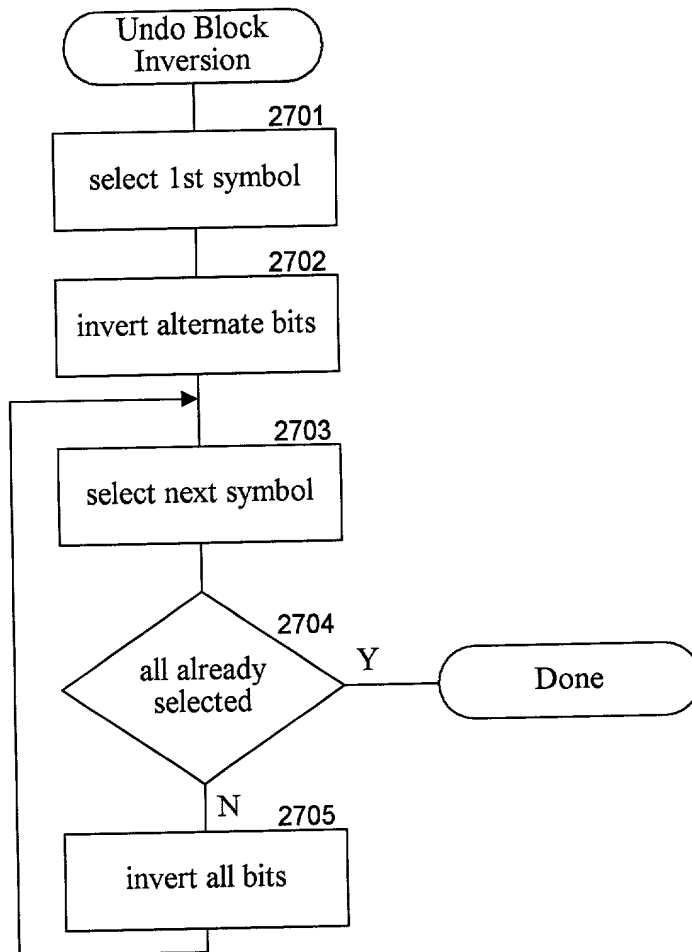


***Fig. 25***

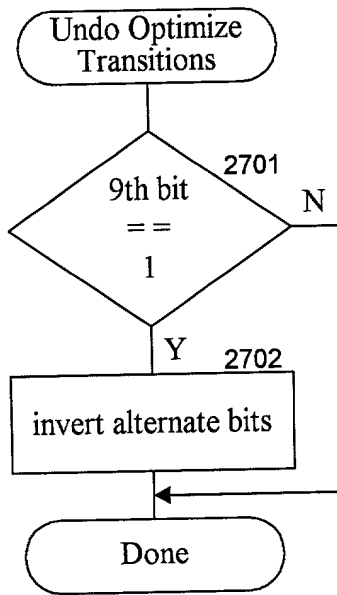


**Fig. 26**

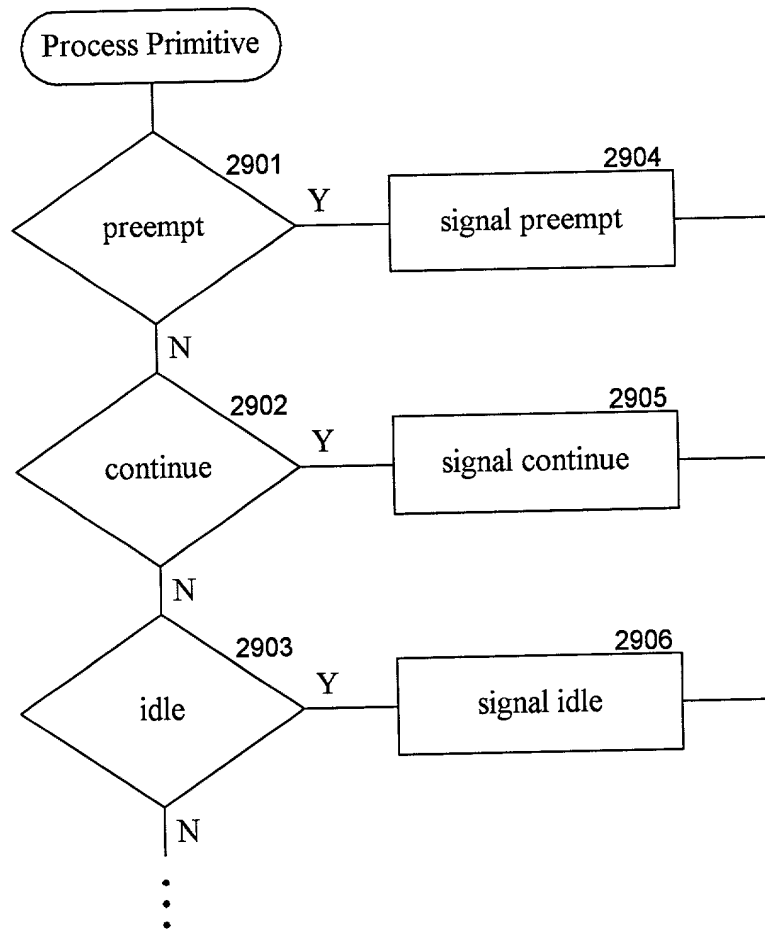




**Fig. 27**



***Fig. 28***



**Fig. 29**

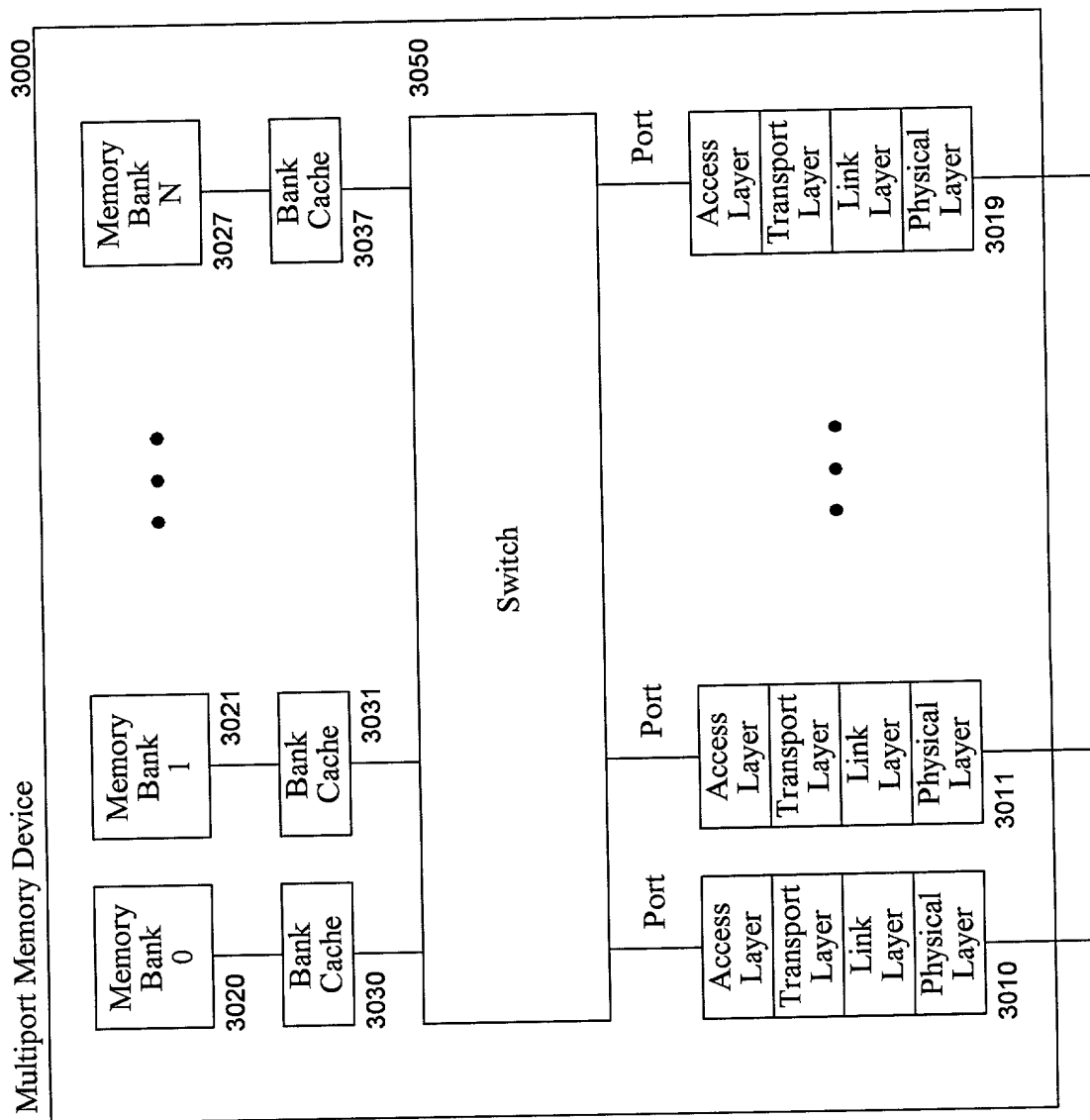


Fig. 30

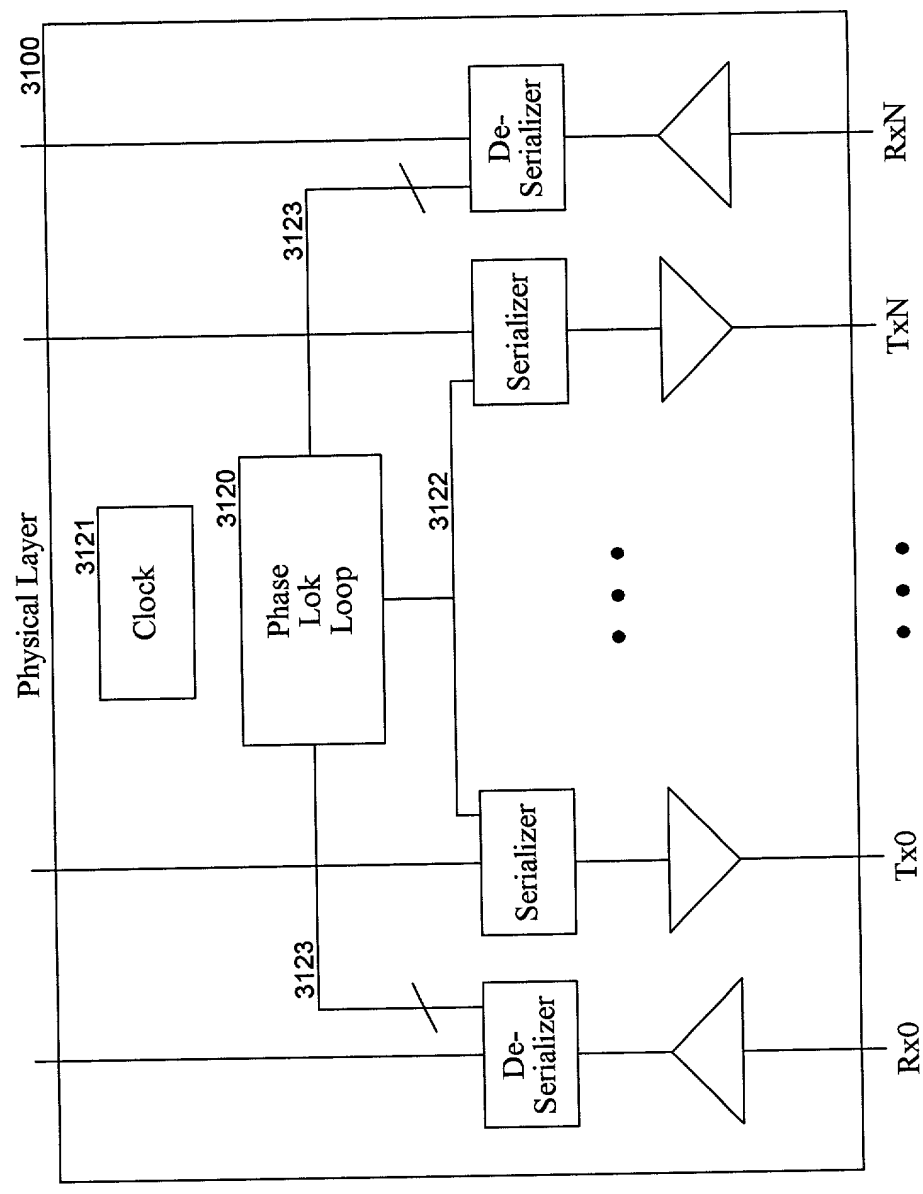
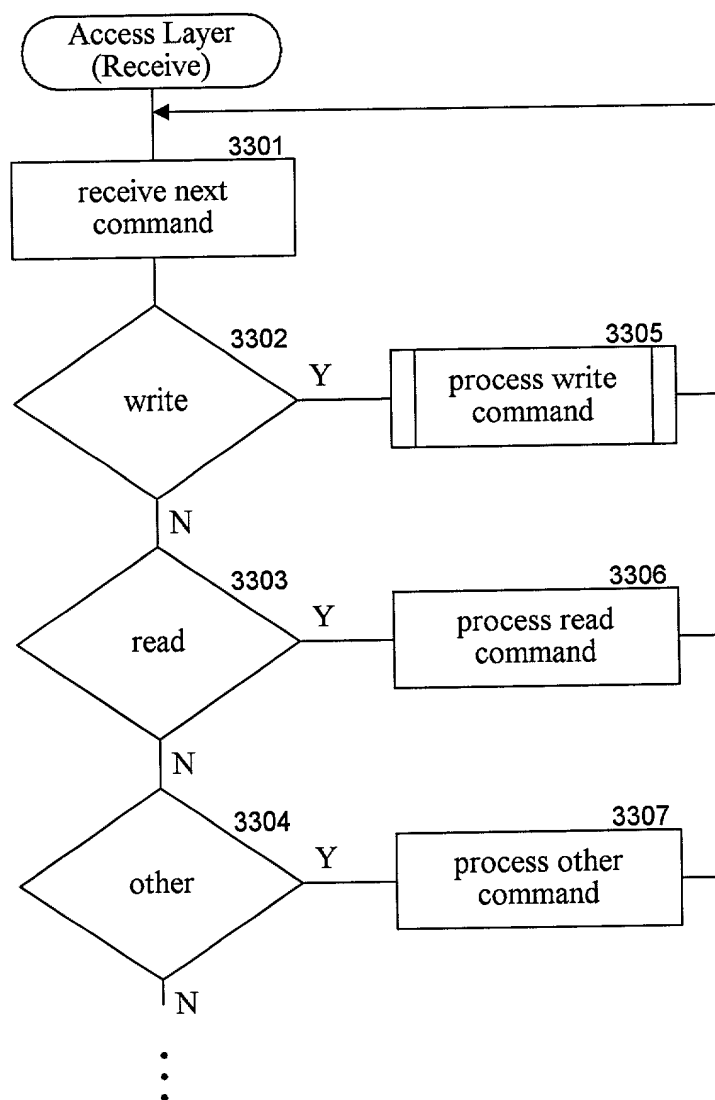


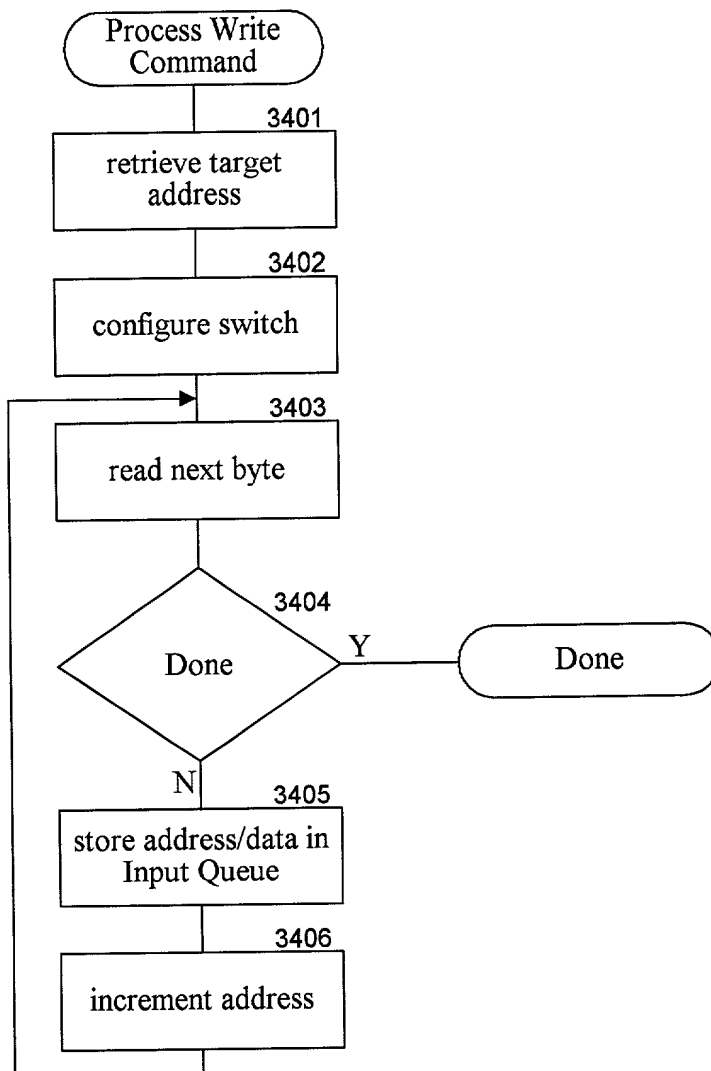
Fig. 31

Input Queue 3201				Output Queue 3202		
Port	R/W	Address	Data	Valid	Port	Data
3	R	1000		1	3	11...0
4	W	4000	10...1	0		
3	W	1000	111...0	0		
3	R	2000		1	3	101...1
	:	:			:	:

Fig. 32

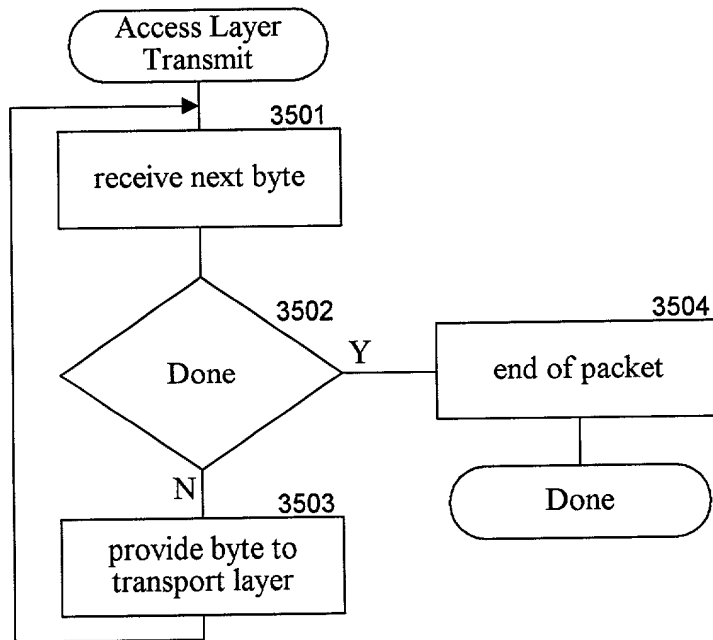


**Fig. 33**



**Fig. 34**





**Fig. 35**

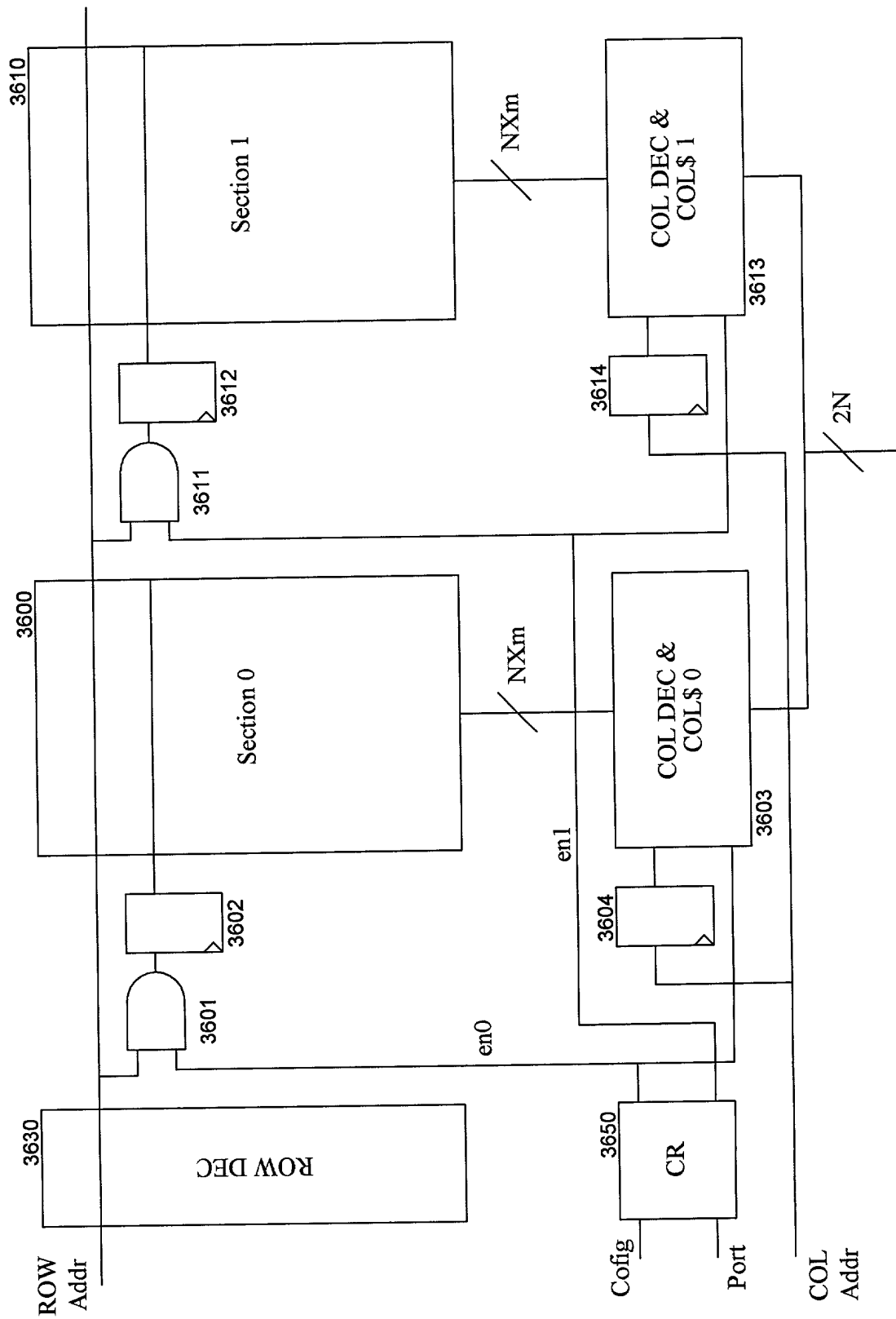


Fig. 36

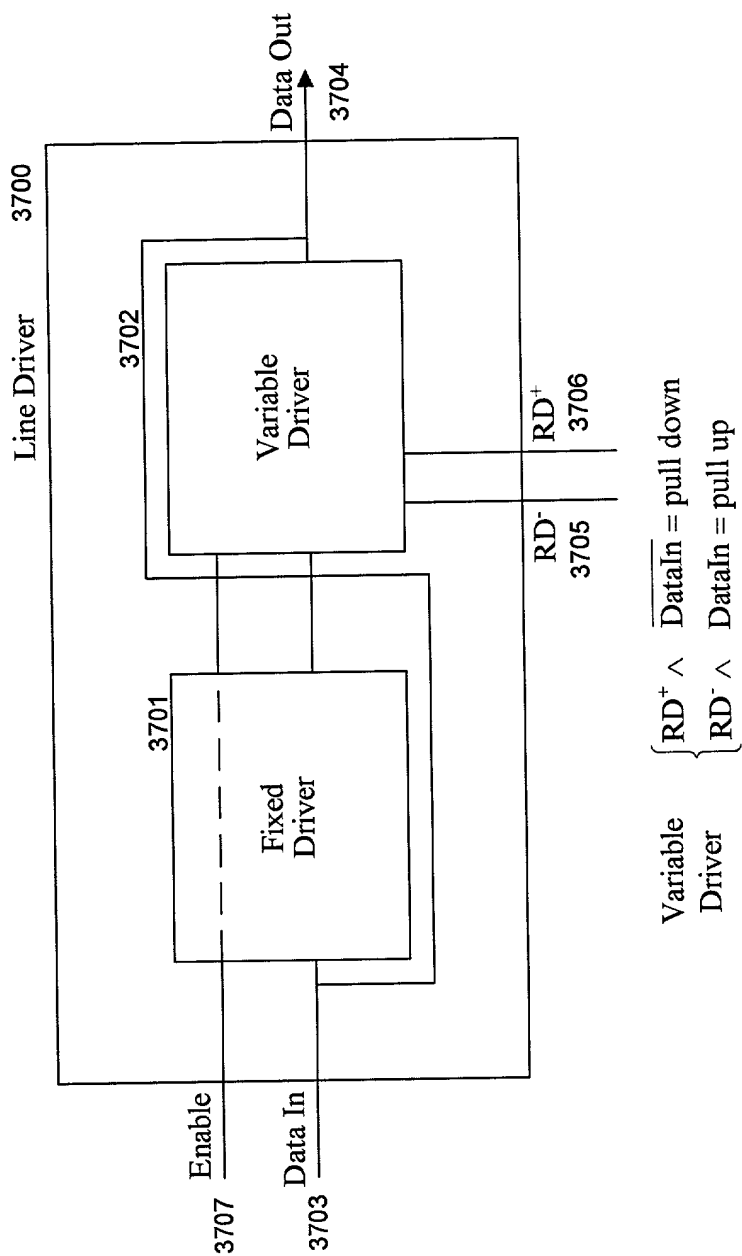


Fig. 37A

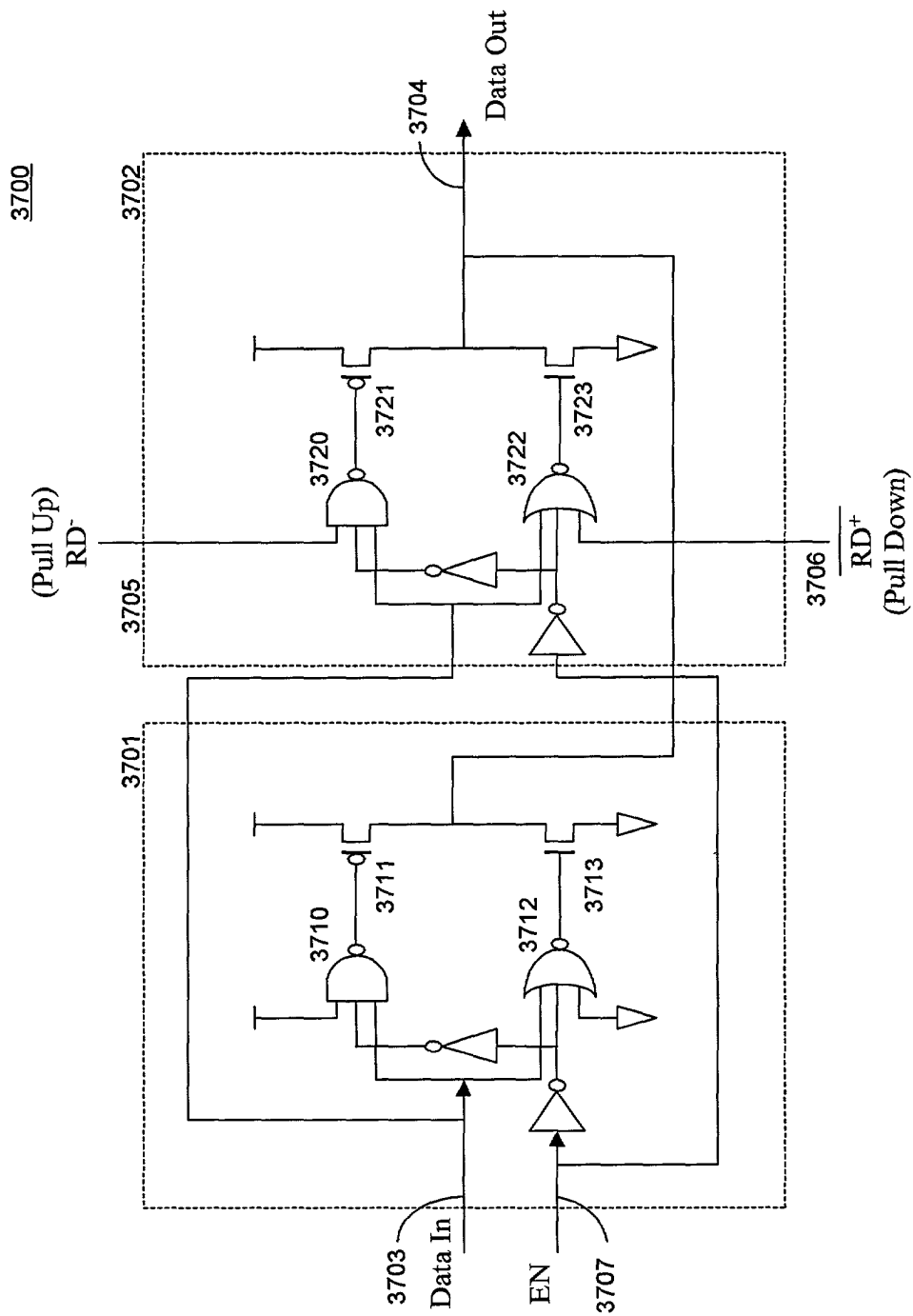


Fig. 37B

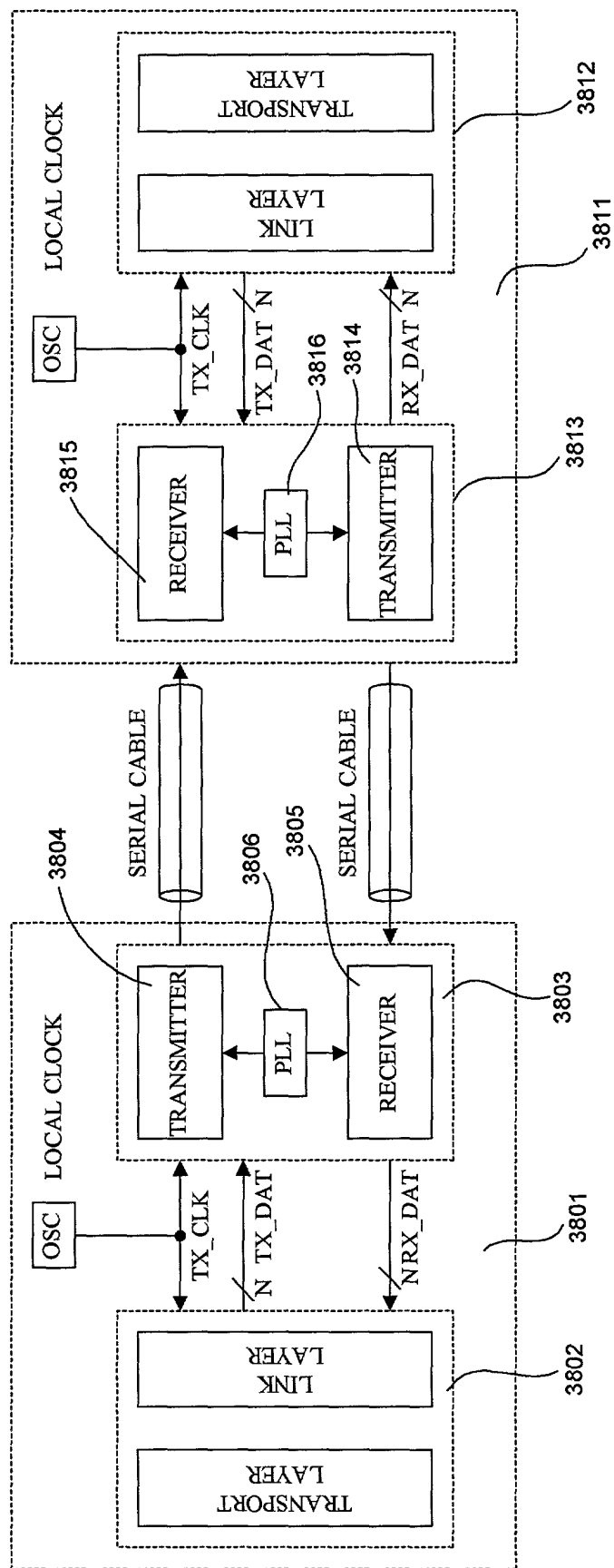


Fig. 38A

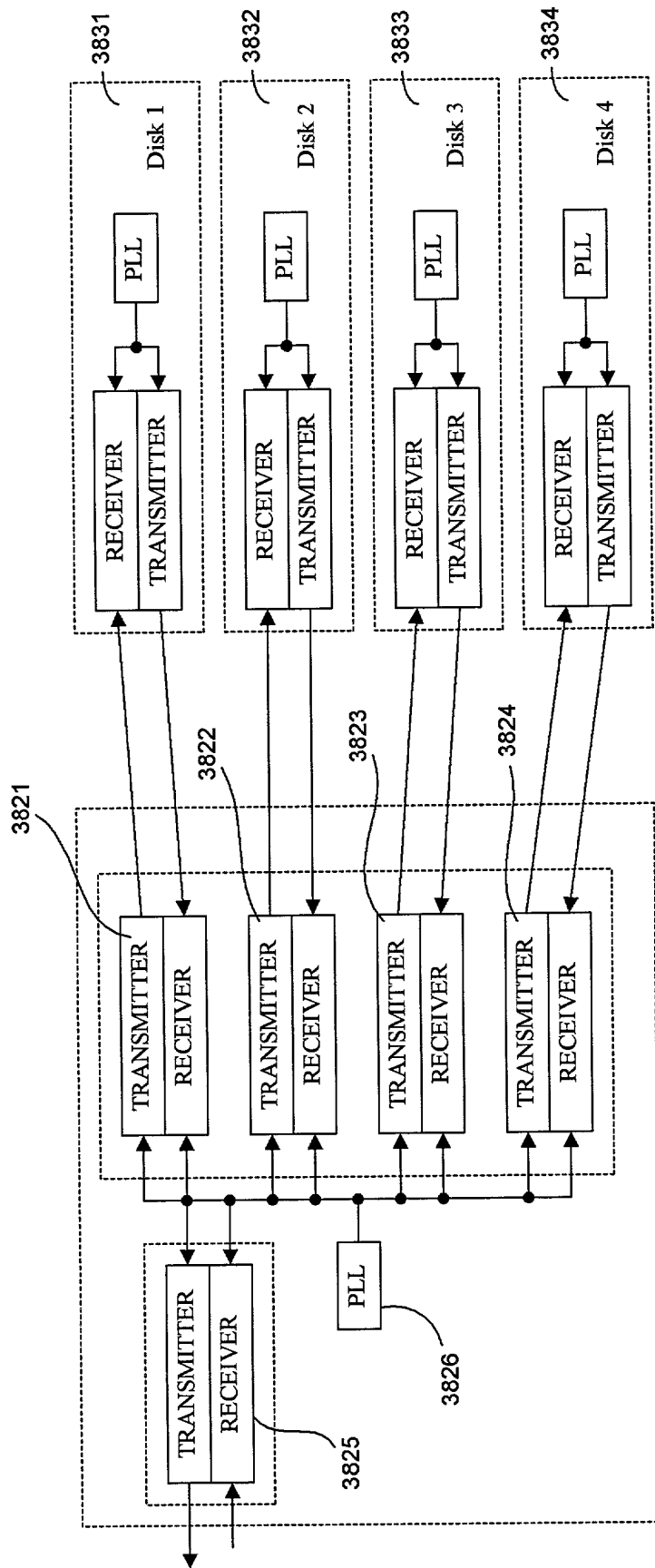


Fig. 38B

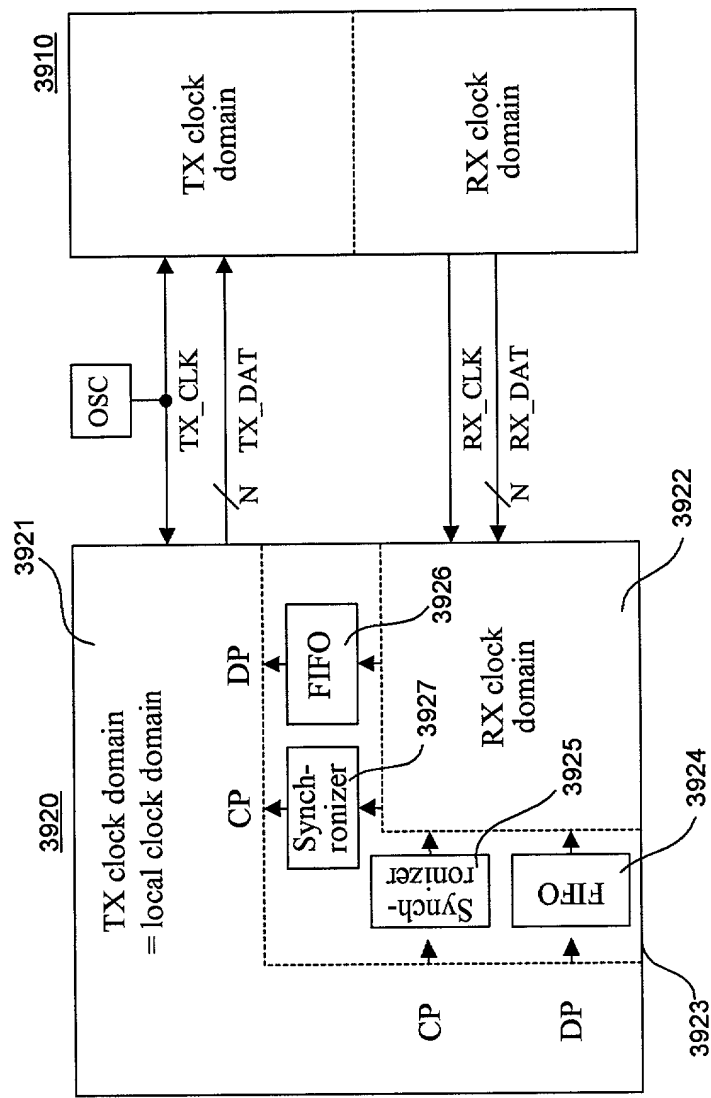


Fig. 39A

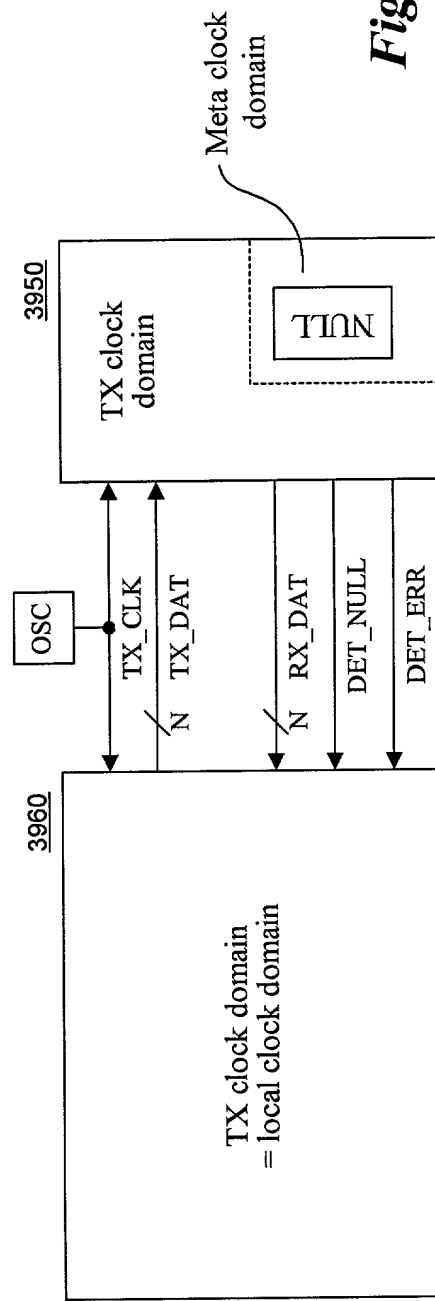


Fig. 39B

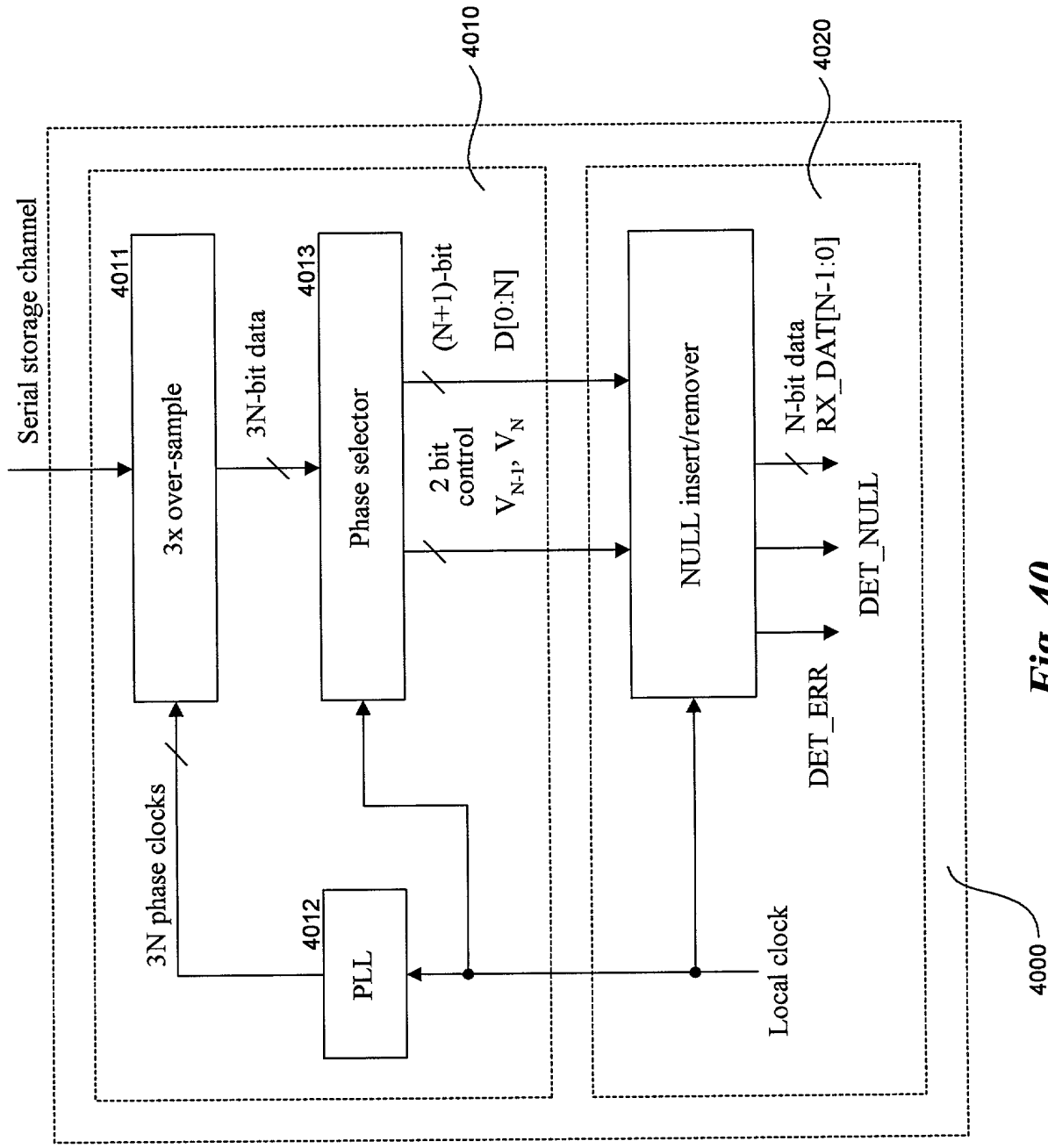


Fig. 40



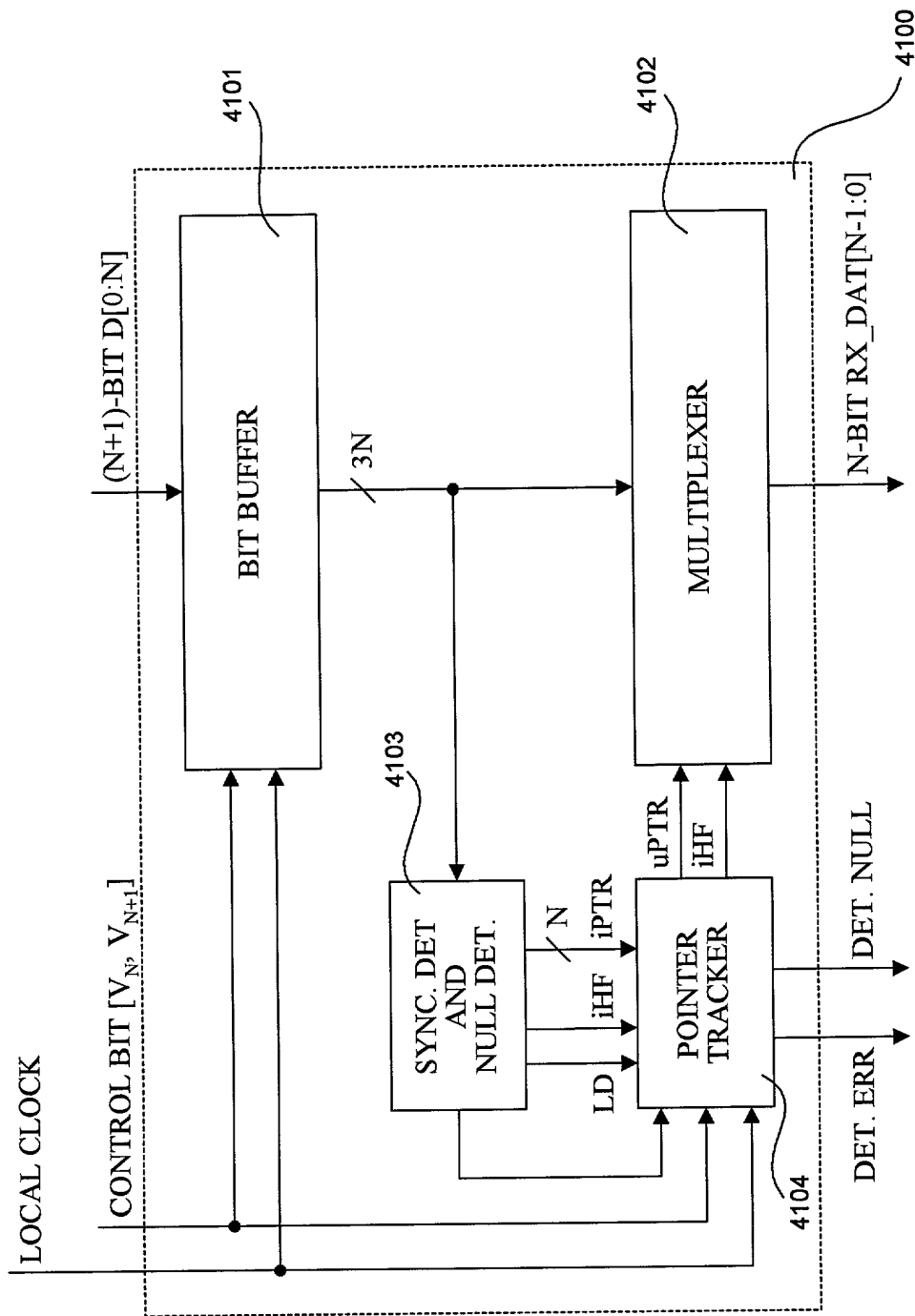
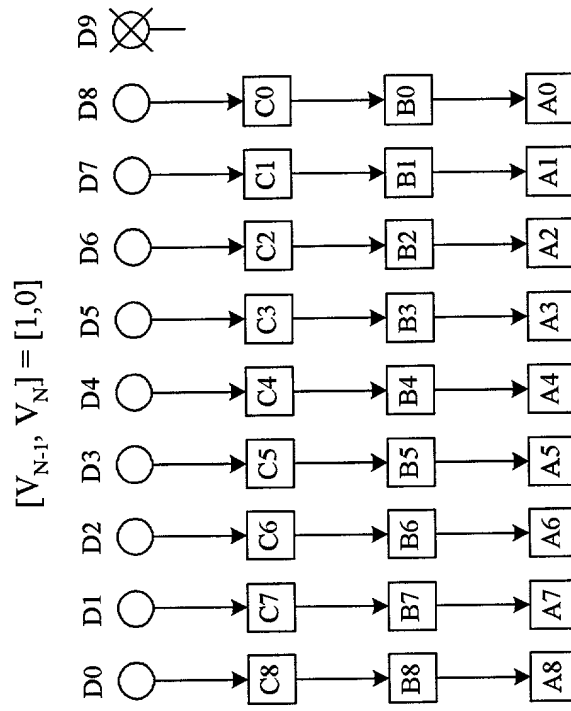
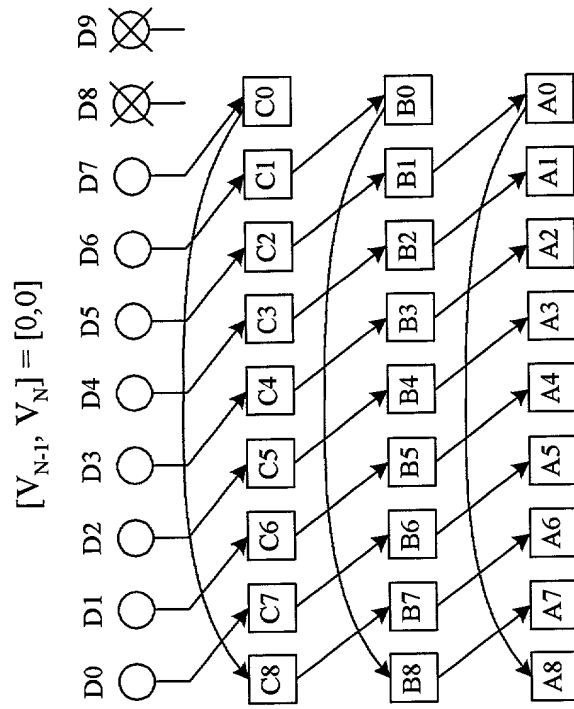


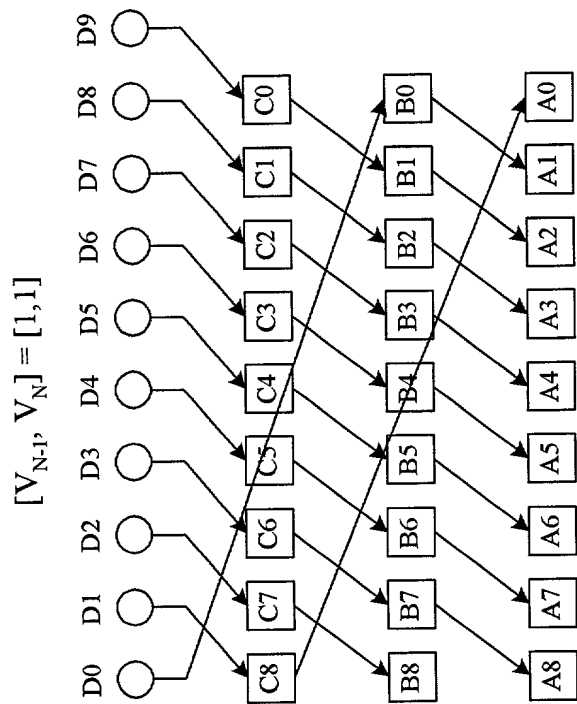
Fig. 41



**Fig. 42A**



**Fig. 42B**



**Fig. 42C**

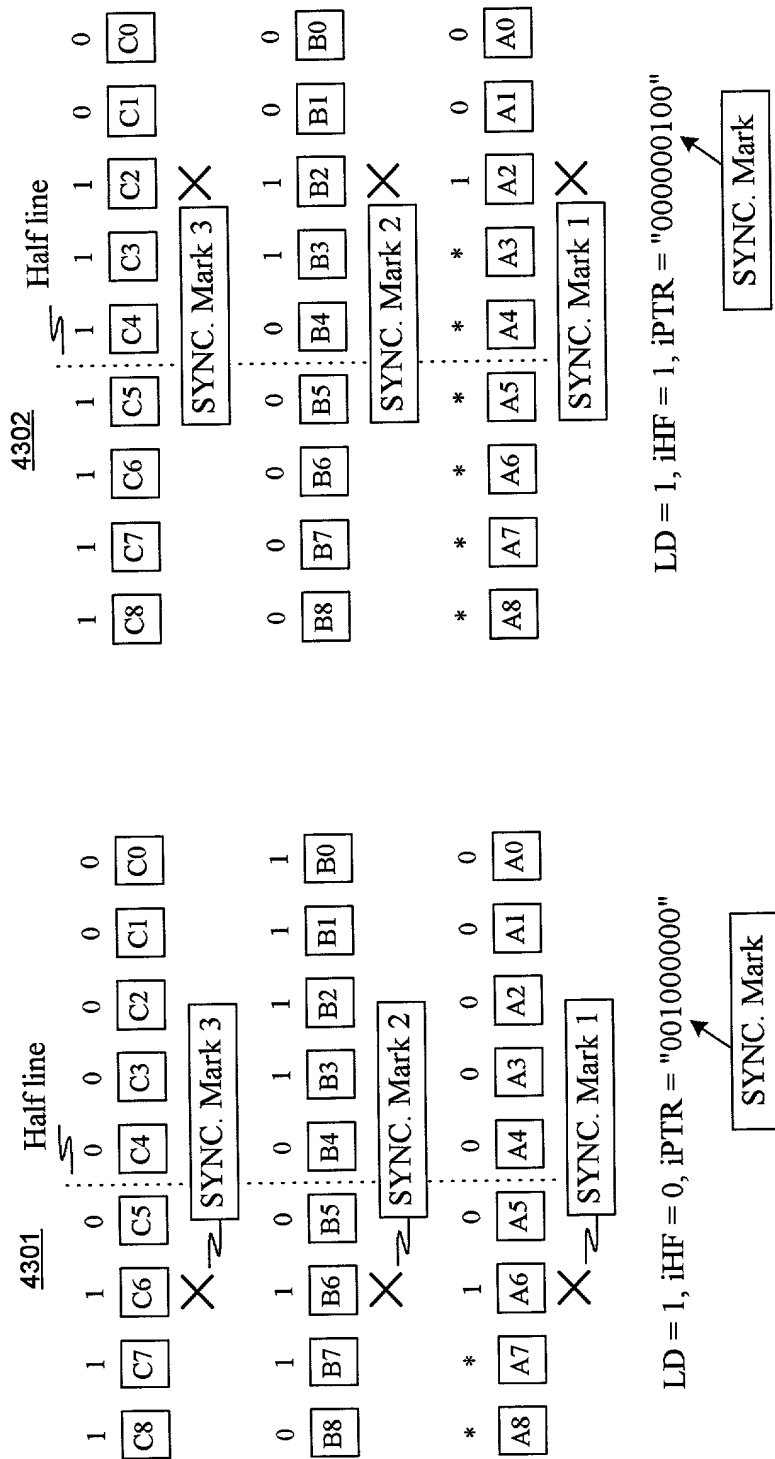
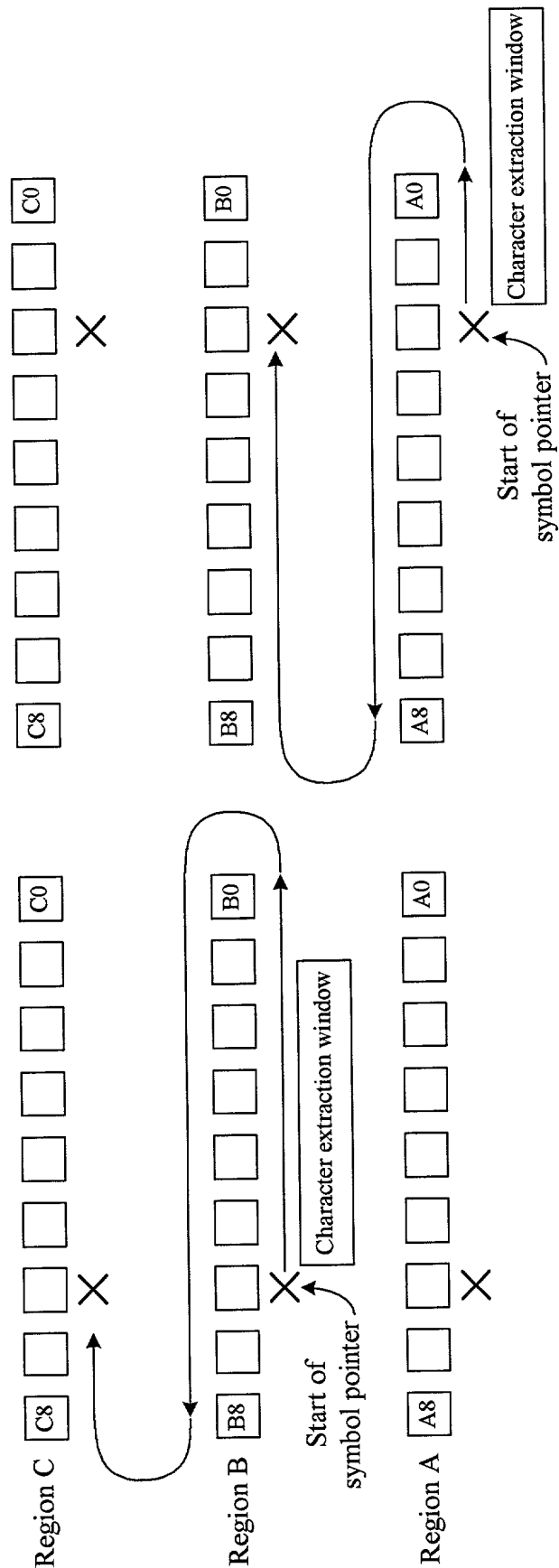


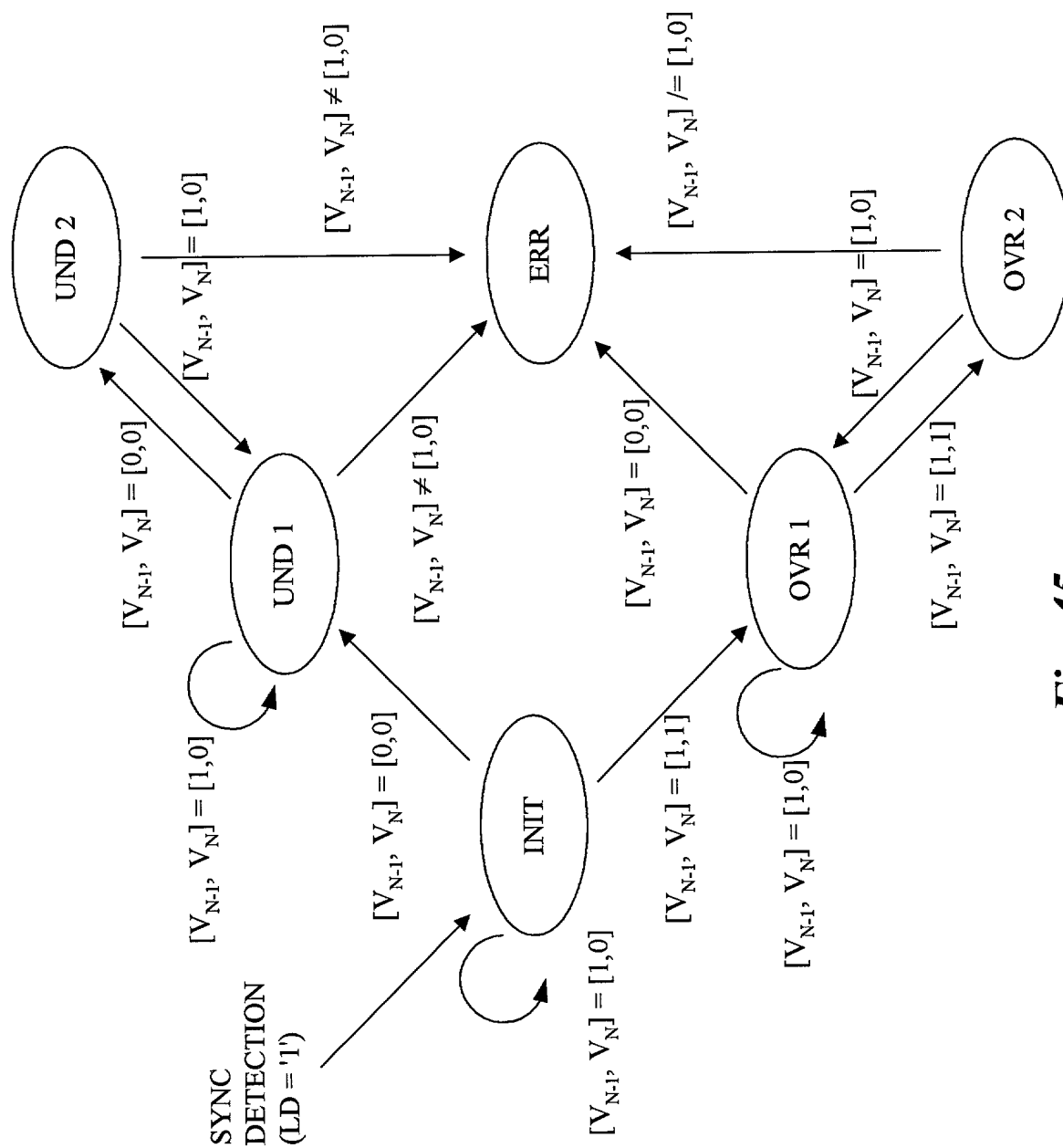
Fig. 43



LD = 1, iHF = 1, iPTR = "0000000100"

LD = 1, iHF = 0, iPTR = "0010000000"

Fig. 44



**Fig. 45**

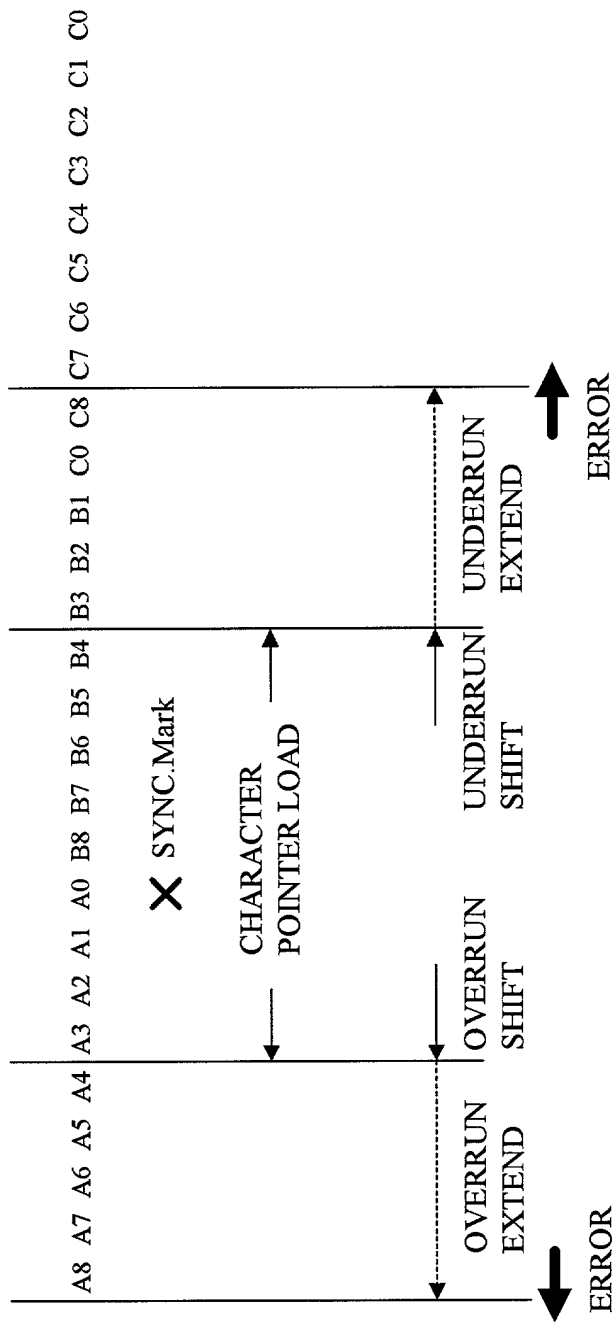
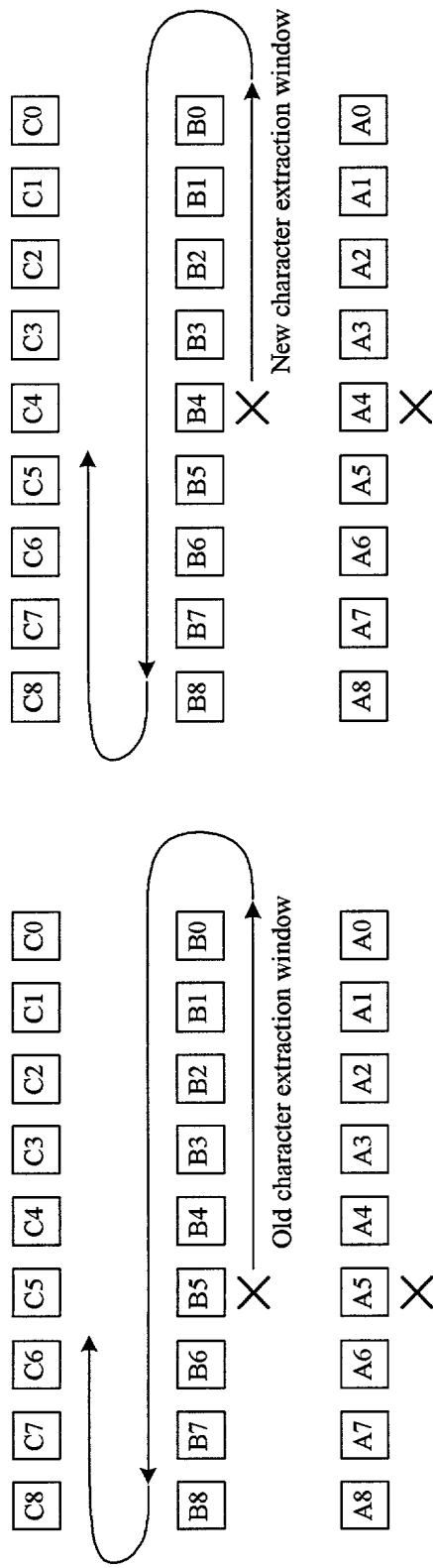
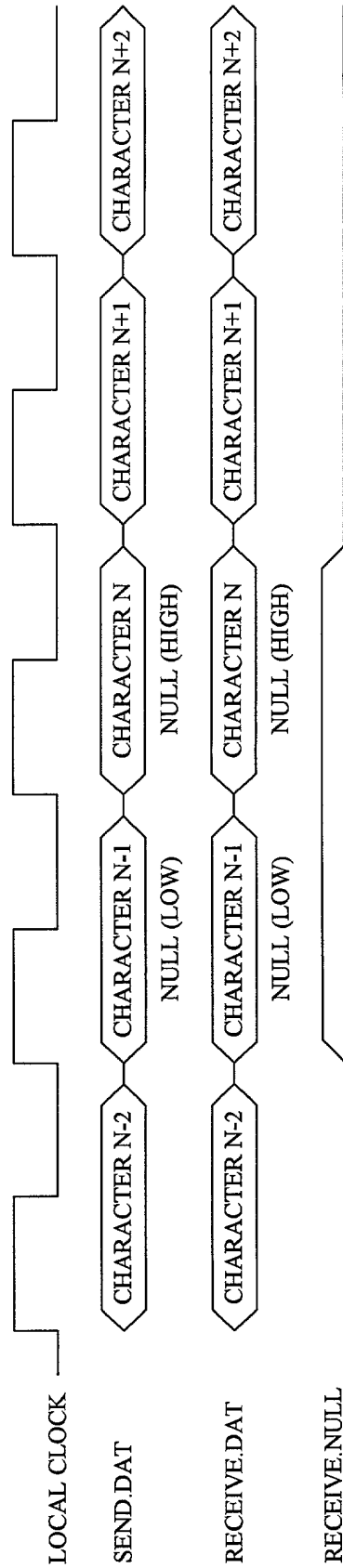


Fig. 46

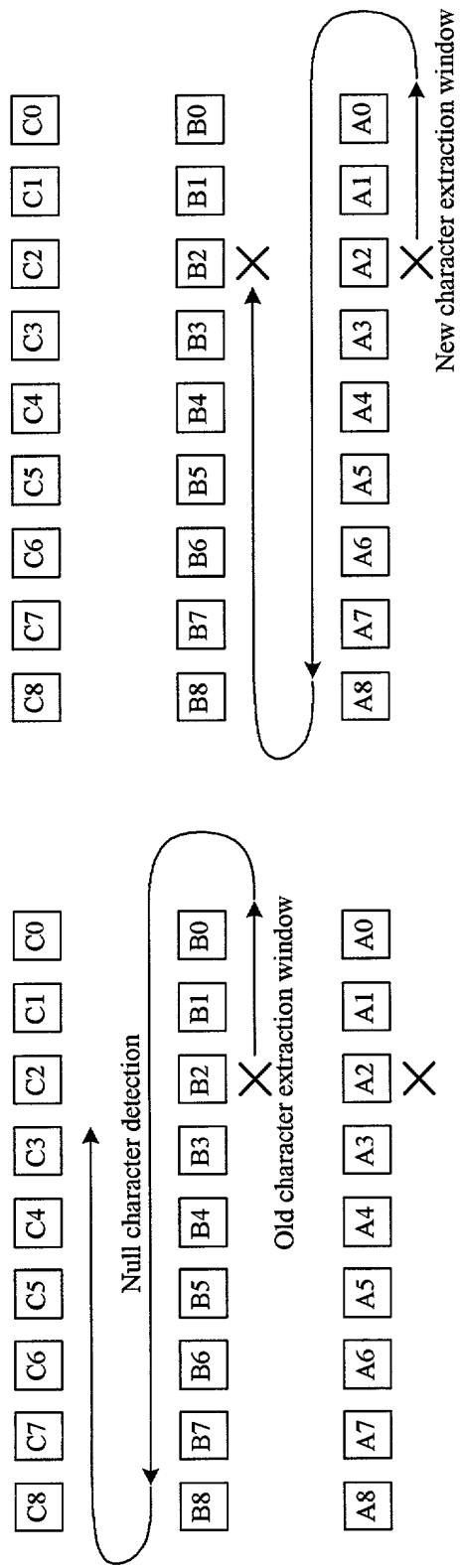




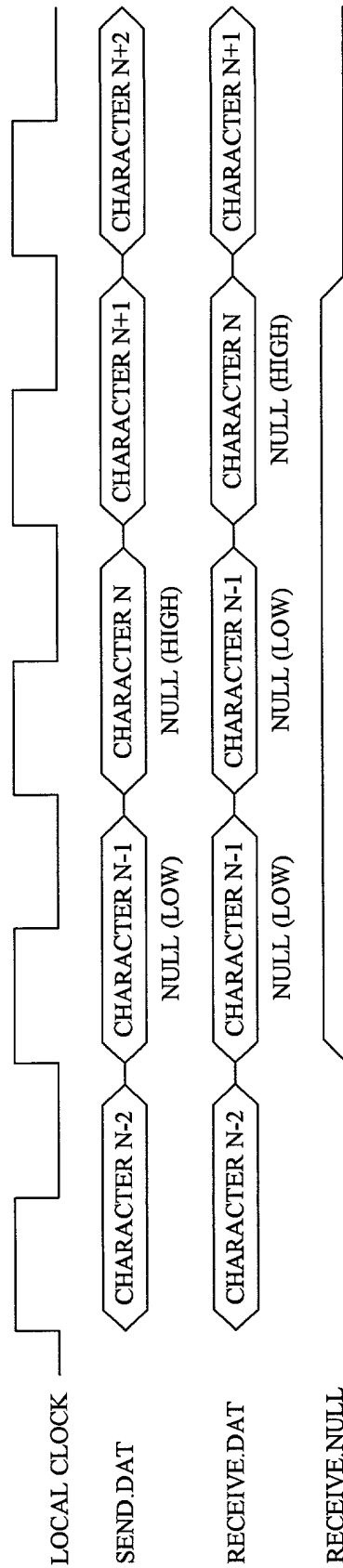
**Fig. 47A**



**Fig. 47B**



**Fig. 48A**



**Fig. 48B**

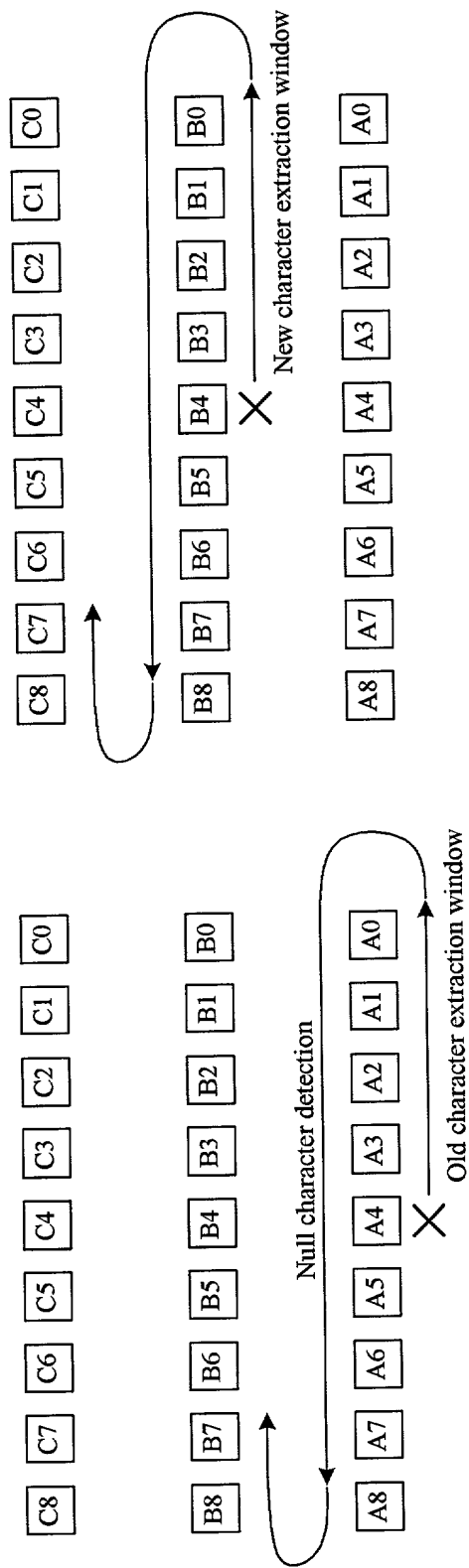


Fig. 49A

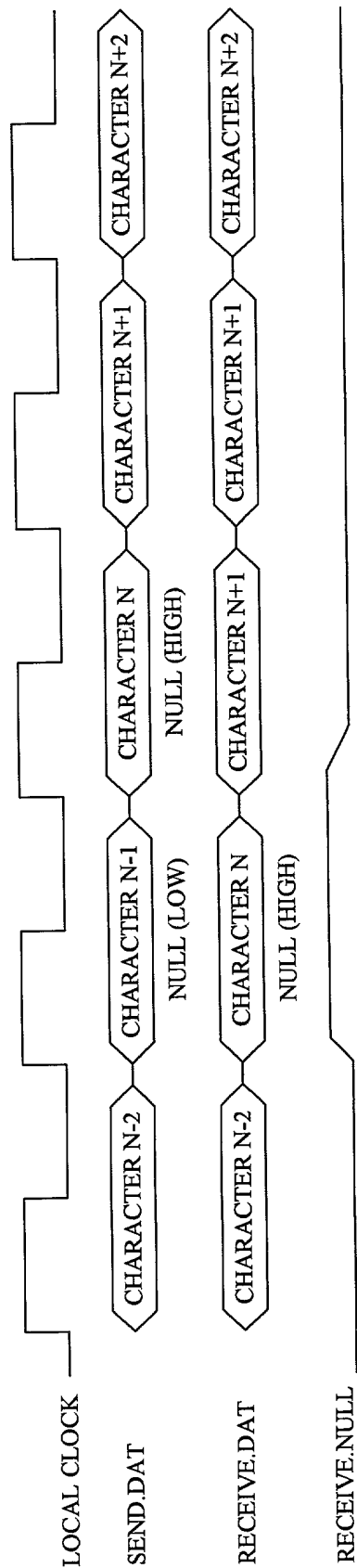


Fig. 49B